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FORTY-SECOND ANNUAL REPORT.

TRANSACTIONS

OF THE

HAMPSHIRE AGRICULTURAL SOCIETY,

FOR THE YEAR 1891.

AMHERST, MASS.:
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OFFICERS FOR 1891.

PRESIDENT,

D. J. Wright, - - - - - - - - *Northampton.*

VICE PRESIDENT,

J. C. Dillon, - - - - - - - - - *Amherst.*

SECRETARY,

H. C. Nash, Jr., - - - - - - - - *Amherst.*

TREASURER,

H. C. Nash, Jr., - - - - - - - - *Amherst.*

EXECUTIVE COMMITTEE,

E. D. Chittenden, - - - - - - - *Sunderland.*
L. W. Goodell, - - - - - - - *Belchertown.*
W. A. Magill, - - - - - - - - *Amherst.*
Benj. Page, - - - - - - - - - *Pelham.*
Geo. E. Smith, - - - - - - - - *Hadley.*

DELEGATE,

D. A. Horton, - - - - - - - - *Northampton.*

SECRETARY'S REPORT.

THE AGRICULTURAL FAIR.

"In spite of the unfavorable weather conditions that prevailed on the opening day of the Hampshire Agricultural Society's cattle-show and fair, the Society has scored another gratifying success. Wednesday was a perfect day viewed from a climatic standpoint, and over 1500 people were attracted to the grounds. The first day's races having been postponed, the program for the second day was crowded full of interesting events, and many persons spent the day upon the grounds. The cattle-show on Tuesday was one of the best ever seen on the Society's grounds, many of the entries coming from a distance, and the quality was above the average. C. K. Childs of Conway had on exhibition a fine herd of Jerseys, and G. W. Morgan of Belchertown and L. W. West of Hadley also made creditable displays. There was an exceptionally good exhibit of sheep and swine. The fact that an expert, C. A. Ballou of Worcester, was to act as judge of poultry doubtless had something to do with securing the large number of entries in this class, and the quality was above the average. George Graves and son exhibited ten coops of their white and barred Plymouth Rocks that were hard to beat, and secured six first and four second premiums. E. N. Fisher of Ludlow and James Brannan of Amherst also had fine exhibits. The hall display was fully up to the average, in some respects superior to those of recent years. H. C. Comins of Hadley and W. L. Boutwell of Leverett had fine displays of fruit and vegetables. John C. Dillon of Amherst displayed thirty-eight varieties of apples, and one whole table was occupied with an exceptionally fine exhibit of fruit by A. B. Howard of Belchertown. The floral display was very good indeed, L. W. Goodell of Pansy Park, A. B. Howard of Belchertown and M. B. Kingman of Amherst leading in this department. The Agricultural College had its usual fine display of fruit, vegetables and potted

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plants. The local merchants were represented by creditable collections of their wares, the first premium being awarded to E. D. Marsh for a handsome display of furniture. Other exhibitors in this department were J. M. Waite & Son, Mrs. H. F. Kellogg, C. R. Kenfield, H. E. Newton & Co., T. W. Sloan and Kellogg & Stebbins. The display of fancy goods was large and of good quality.

The horse-show on Wednesday was exceptionally good and compared favorably with any recently held in this section. The horses entered were well-bred, fine-appearing animals that would do credit to any show. The thanks of the Society are due to William C. Dickinson, proprietor of the Conn. River stock farm at Hatfield, who without expense to the Society exhibited Hamlin's 'Almont, Jr.,' record 2-26, sire of 'Belle Hamlin,' 'Justina' and 'Globe.' 'Belle Hamlin' and 'Justina' hold the double team record for the world, and the three hold the world's record for horses driven three abreast. 'Almont, Jr.' is the sire of six horses in the '20 class and is a beautiful specimen of the thoroughbred; he attracted much attention. A. H. Graves of the Elm stock farm in Hatfield exhibited the high-bred trotting filly 'Nettie L.,' two years old, and A. E. Wood of Northampton the trotting stallion 'Vennor,' a horse of remarkably fine action. Favorable attention was attracted to the handsome Victor colt owned by Thomas Courtney of Amherst and driven by T. T. Sisson. There were numerous entries for the races, all of which were closely contested. The wagon race was won by E. P. Bartlett, E. F. Cook taking second money. The one-year-old colt race was won by P. D. Hubbard of Sunderland with his colt 'Parker D.,' a grandson of 'Red Wilkes.' Thomas Courtney won the two-years-old colt race with his handsome Victor colt, A. H. Graves of Hatfield second. The running race, half-mile heats, was captured by 'Milk Shake,' entered by J. T. Stevens, who ran two heats in 58 seconds, and is said to have made a half-mile in 47 seconds on a previous occasion. The 2-50 class was taken by J. M. Trabon's 'Flora M.,' best time 2-43. The 2-37 class went to E. O. Williams's 'Rugg' in straight heats, best time 2-42¾. The bicycle race was won by Smith of South Amherst. The judges on racing were C. P. Aldrich of South Deerfield, W. H. H. Ward and Dr. E. B. Dickinson of Amherst.

The total receipts for the two days of the fair were about the same as last year. The show in all its departments was a decided advance

on any of recent years. There were no state officials present, no balloon ascension and very few of the fakirs that usually make life a burden on such occasions. As an agricultural fair and cattle show the occasion was a pronounced success. The Society after two successful seasons feels encouraged to hope for still better things in the future. It would seem that an interest has been awakened which may restore to the Society its old-time prosperity. There is need of more money to pay off the accumulated debt, and while the Society is able to fulfill all its obligations premium winners would do a graceful act in contributing the amount of their premiums to the Society's treasury."—*Amherst Record.*

The fair of 1890 was a success financially and in receipts exceeded a little that of 1891, but by a careful analysis of the two it will be seen that in number of entries, in excellence of exhibits and in the interest manifested, this year's fair far excelled last.

The officers of the Society of 1890 and 1891 decided to offer as liberal purses for trotting and other attractions as the present financial condition of the Society would warrant. Favored with fair weather both days, the program drew about fifteen hundred people to the grounds and brought sufficient receipts to pay all bills and carry the Society through the year, but were not sufficient to reduce the debt. Improvements have been made on the grounds and as more are greatly needed, it will require the excess of receipts above expenses for some years to make needed improvements, and it seems that some plan must be devised to pay our indebtedness. As the principal additions to the Society by way of new members come from those exhibitors who apply a part of their premiums to pay for life members' tickets, and as this number averages yearly only about fifteen it is suggested that a committee be appointed in each town interested to solicit new members and contributions, and with the receipts our debt could easily be removed and the Society would be greatly benefited by the increased membership.

It is thought by many that the Society would be greatly benefited by employing experts to judge horses, cattle, sheep, swine, and poultry. This question came up for discussion at the last annual meeting and was voted down because of the expense attending the adoption of this plan. It is hoped the question will come up for discussion at our annual meeting, and some way devised by which the plan may be adopted without great expense. We must admit

that our present plan of appointing members of the Society on committees, without consulting them beforehand, without knowing their especial qualifications, finding on the day of the fair that only a few are willing to serve, and filling their places from those on the grounds often with men who have given little attention to the breeding of thoroughbred stock, has given in years past dissatisfaction and been an injury to the Society. Many societies have made the change and found more satisfactory results, and an increased number of exhibitors. The required number of Institute meetings were held during the year and interesting essays were read, and able discussions followed, but it is regretted that more do not attend the meetings. As they are held in the winter months the small attendance must be from a lack of interest rather than from want of time. This winter an especial effort will be made to have speakers from abroad and men who have attained distinction in some special branch of agriculture. The meetings will be announced in the papers some days before they occur and we trust the attendance will be greater.

Thanking all who have assisted in making the fair of 1891 a success and especially the officers, and with some reason looking for greater results next year, I am

Yours respectfully,

H. C. Nash, Jr., Secretary.

LIST OF PREMIUMS AWARDED.

Class 1—Town Teams. 2 Entries.

Town of Hadley,	$20 00
" " Pelham,	15 00

Class 2—Fancy Cattle. 5 Entries.

W. B. Fales, Pelham,	$5 00
Dwight Presho, Pelham,	3 00
Edmund Smith, Hadley,	2 00

Class 3—Working Oxen. 10 Entries.

George P. Morgan, Belchertown,	5 00
Charles W. Greene, Hadley,	4 00
Dwight Morton, Hadley,	3 00
L. W. West, Hadley,	2 00
Chester Smith, Hadley, trial on boat,	5 00

Class 4—Steers. 5 Entries.

George W. Morgan, Belchertown, three-years-old,	$5 00
Edmund Smith, Hadley, three-years-old,	3 00
George W. Morgan, Belchertown, two-years-old,	4 00
Edmund Smith, Hadley, two-years-old,	2 00

Class 5—Milch Cows.

C. K. Childs, Conway, Jersey,	$4 00
" " " "	3 00

" " " Grade,	4 00
L. W. West, Hadley, Shorthorn,	4 00
" " " Grade,	1 00
W. A. Magill, Amherst, Jersey,	2 00
" " " Grade,	3 00
G. W. Morgan, Belchertown, Grade,	2 00

Class 6—Herds of Milch Cows. 5 Entries.

C. K. Childs, Conway, Thoroughbred,	$5 00
W. A. Magill, Amherst,	5 00
C. K. Childs, Conway,	4 00
L. W. West, Hadley,	3 00

Class 7—Heifers. 22 Entries.

C. K. Childs, Conway, Thoroughbred, one-year-old,	$2 00
" " " " "	1 00
W. A. Magill, Amherst, " two-years-old,	3 00
C. K. Childs, Conway, Grade, one-year-old,	2 00
" " " " "	1 00
G. W. Morgan, Belchertown, Grade, two-years-old,	3 00
L. W. West, Hadley, " "	2 00
W. A. Magill, Amherst, " "	1 00

Class 8—Bulls. 9 Entries.

L. W. West, Hadley, Shorthorn,	$4 00
" " " "	2 00
C. K. Childs, Conway, Jersey,	4 00
W. A. Magill, Amherst, "	2 00
W. F. Bullman, " Holstein,	2 00

Class 9—Calves. 12 Entries.

L. W. West, Hadley, Heifer,	$2 00
C. K. Childs, Conway, "	1 00
L. W. West, Hadley, Bull,	2 00
C. K. Childs, Conway, "	1 00
G. W. Morgan, Belchertown, bull,	2 00

Class 10—Herds of Cattle. 3 Entries.

C. K. Childs, Conway,	6 00
W. A. Magill, Amherst,	5 00
L. W. West, Hadley,	4 00

Class 11—Swine. 10 Entries.

H. C. West, Hadley, Boar,	$4 00
L. W. West, " "	3 00
E. W. Tuttle, " "	1 00
Josiah Cook, " "	3 00
" " " Sow with pigs,	4 00
" " " Weaned pigs,	1 00
E. W. Tuttle, " Sow with pigs,	1 00
H. C. West, " Weaned pigs,	4 00
Edmund Hobart, Amherst, Weaned pigs,	3 00
L. W. West, Hadley, Sow with pigs,	3 00

Class 12—Sheep. 21 Entries.

W. S. Clark, Granby, Buck,	$4 00
Dwight Morton, Hadley, Buck,	3 00
Edmund Hobart, Amherst, Buck,	2 00
L. W. West, Hadley, 25 Sheep,	6 00
Dwight Morton, Hadley, 25 Sheep,	3 00
" " " 8 Lambs,	4 00
James Comins, " "	3 00
L. A. Shaw, Amherst, "	2 00
W. S. Clark, Granby, 8 Ewes.	4 00
James Comins, Hadley, 8 Ewes,	3 00

Class 13—Poultry. 46 Entries.

George Graves, Amherst, Trio Bantams,	$2 00
" " " " "	1 00
" " " " Plymouth Rocks,	2 00
" " " White Plymouth Rocks,	2 00
" " " " " "	1 00
" " " Breeding Pen Plymouth Rocks,	2 00
" " " Plymouth Rocks,	1 00
" " " Breeding Pen White Plymouth Rocks,	1 00

L. A. Shaw, Amherst, Peacocks,	2 00
James Brannan, Pelham, Buff Cochins,	2 00
A. D. Norcross, Monson, " "	1 00
" " " Partridge Cochins,	2 00
J. C. Dillon, Amherst, Dorkings,	2 00
" " " Games,	2 00
" " " Cross Breed Fowls,	2 00
E. N. Fisher, Ludlow, Turkeys,	2 00
" " " S. S. Hamburgs,	2 00
" " " Brown Leghorns,	2 00
" " " Dominiques,	2 00
" " " Spanish,	2 00
" " " Trio B. M.,	2 00
L. Joy, Amherst, Pekin Ducks.	1 00
C. L. Wilbur, Amherst, Turkeys,	1 00
E. A. Harris, Amherst, Buff Cochins,	1 00
" " " " " Chicks,	1 00
E. N. Fisher, Ludlow, Light Brahmas,	2 00
" " " Pekin Ducks,	2 00
" " " W. Wyandottes,	2 00
A. C. Jewett, Amherst, B. Leghorns,	1 00

Class 14—Agricultural and Farm Implements. No Entries.

Class 14½—Mechanic Arts. 2 Entries.

W. P. Barnes, Rochester, N. Y., Goodwin Washing Machine,	Diploma
Mrs. H. D. Eaton, Amherst, Bread, Cake and Potato Knife,	Diploma

Class 15—Mercantile Goods. 5 Entries.

E. D. Marsh, Amherst, Furniture,	$8 00
Kellogg & Stebbins, Lamps and Crockery,	6 00
Mrs. H. F. Kellogg, Millinery,	4 00

Class 16—Domestic and Other Manufactures. 24 Entries.

Mrs. S. W. Boutwell, Leverett,	Knit Rug,	$ 75
" B. H. Averill, Amherst,	Bedquilt,	50
Hattie King, Amherst,	"	50
Mrs. C. A. King, Amherst,	"	50
Mrs. E. M. Thayer, Amherst,	Rug,	25

" C. F. Dickinson, Amherst,	Bedquilt,	50
" " " "	"	50
Lessie Wrigley, Amherst,	Hose,	1 25
W. H. Comins, Hadley,	Silk Quilt,	1 50
" " "	Counterpane.	1 00
Lucy Scott, Amherst,	Knit Socks,	25
Mrs. L. M. Dickinson, Amherst,	Bedspread,	25
" E. T. Sabin, Amherst,	Rugs,	50
" Sanford Boice, Amherst.	Quilt,	75
" " " "	Mittens,	50
" F. E. Loomis, "	Bedquilt,	50

Class 17—Fancy Articles. 69 Entries.

Miss Ada Moulton, Amherst,	Scarf,	$ 50
Mrs. George Beals, "	Bedquilt,	50
Miss Clara Parents, "	Crochet Lace,	25
Mrs. S. W. Boutwell, Leverett,	Handkerchief Case, Wall Pocket, Brush Receiver, Tea Doylies,	1 50
Mrs. L. M. Conway, Amherst,	Head Rest, Pin Cushion,	25
Miss A. Conway, Amherst,	Pin Cushion,	25
" L. M. Conway, Amherst,	Toilet Mats,	50
" " " "	Scarf, Cushion Cover,	25
" Cora Wakefield, "	Rug,	25
" Belle Thayer, "	Pillow Shams,	25
Mrs. J. B. Kentfield, "	Tidy,	25
" " " "	Afghan,	50
" F. W. Dickinson, "	"	50
Miss Della King, "	Tidy,	25
Mrs. L. H. Moulton, "	3 Toilet Mats,	25
" Ida M. Joy, Hadley,	2 Tidies,	25
" W. C. Owen, Amherst,	Sofa Pillow,	50
" " " "	Crib Quilt,	25
" " " "	Baby Carriage Afghan,	50
" F. A. Leach, "	Crochet Sacque,	50
Miss Mabel Leach, "	2 Sets Table Mats,	25
Mrs. Eugene Puffer, No. Amherst,	Silk Bed Spread,	75
" " " "	Table Scarf.	25
Miss Alice Eliza Smith, Amherst,	Afghan,	50
Miss Lessie Wrigley, "	Edging,	25

Mrs. F. J. Fairbanks,	"	Shopping Bag,	25
Miss Alice Fairbanks,	"	Hand Bag,	25
Mrs. L. M. Dickinson,	"	Silk Spread,	50
Mrs. L. A. Shaw,	"	Peacock Feathers,	25
" Sanford Boice,	"	Head Rest,	25
" T. L. Paige,	"	Crochet Skirt,	25
" A. E. Tracy,	No. Amherst,	Lace,	25
Miss M. B. Dwight,	Amherst,	Fancy Work Box,	25
" " "	"	Work Basket,	25
" " "	"	Air Castle,	25
Mrs. F. A. Leach,	"	Slipper Case,	25
" " "	"	Socks, Collar and Tidy,	1 50
Miss Nellie Curtis,	"	Hairpin Edging,	25
Mrs. F. E. Loomis,	No. Amherst,	Table Scarf,	25
Miss Kate Howland,	Amherst,	Shopping Bag, 2 Shawls,	1 00
G. A. Lessey,	"	Checkerboard,	25
Mrs. R. W. Stratton,	"	Table Scarf,	1 00
" " "	"	Sofa Cushion,	50
" " "	"	Cashmere Quilt,	25
Mrs. Morehouse,	"	Rug,	25
Miss Jennie Cowles,	"	Fancy Apron,	25
" " "	"	2 Tray Cloths,	1 00
" " "	"	Silk Head Rest,	25
" Annie M. Jewett,	"	Bed Spread,	50

CLASS 18—FINE ARTS. 20 ENTRIES.

Mrs. A. L. Greene,	Amherst,	Portrait,	1 80
" " "	"	Painting,	80
" F. A. Leach,	"	Scarf,	80
Miss A. E. Smith,	"	Crayon,	1 50
" " "	"	Scarf,	1 50
" " "	"	Painting,	1 80
W. H. Comins,	Hadley,	Painting,	80
Mrs. T. L. Paige,	Amherst,	Placque,	1 80
" D. H. Hawley,	"	Spread,	80
" " "	"	Lambrequin,	80
" C. F. Morehouse,	"	Painting,	1 60
" F. L. Loomis,	"	Painting,	1 80
C. R. Kenfield,	"	Photographs,	1 80

Class 19—Bread, Butter and Cheese.

Miss Fannie Cowles,	Amherst,	Wheat,	2 00
Mrs. Charles Eastman,	"	"	1 00
" " "	"	Rye,	2 00
" H. C. Comins,	Hadley,	Brown,	2 00
" T. L. Paige,	Amherst,	Graham,	1 00
" " "	"	Rye,	1 00
" A. D. Dillon,	"	Rye and Indian,	1 00
C. K. Childs,	Conway,	Creamery Butter,	3 00
Asahel Gates,	Pelham,	Dairy Butter,	3 00
S. M. Randall,	Belchertown,	Sage Cheese,	2 00
C. L. Randall,	"	Plain Cheese,	2 00

Class 20—Honey, Wines and Jellies. 21 Entries.

Mrs. H. C. Comins,	Hadley,	Jellies and Fruits,	3 00
" S. W. Boutwell,	Leverett,	" " "	2 00
" E. A. King,	Amherst,	" " "	1 00
C. E. Stebbins,	Deerfield,	Maple Syrup,	2 00
Mrs. Charles Eastman,	Amherst,	" "	1 50
E. N. Fisher,	Ludlow,	Honey,	1 50
Mrs. Jos. Dickinson,	Amherst,	Wine,	1 00
" H. C. Comins,	Hadley,	"	1 00

Class 21—Fruit. 3 Entries.

John C. Dillon,	Amherst,	Best Display,	4 00
Mrs. H. C. Comins,	Hadley,	Basket,	3 00
W. H. Comins,	"	"	2 00

Class 22—Fruits Grown by Exhibitor.

W. C. Owen,	Amherst,	Quinces,	1 00
" "	"	Peaches,	2 00
Thomas Charmbury	"	Plate Greenings,	50
W. H. Comins,	Hadley,	Collection of Apples,	1 00
Mrs. S. Boice,	Amherst,	Cranberries,	1 00
James Shaw,	So. Hadley,	Peaches,	1 00
F. E. Loomis	Amherst,	Plate Russets,	50
J. C. Dillon,	"	Pears,	3 00
" "	"	Grapes,	3 00

G. L. Cooley,	Sunderland,	Collection of Apples,	3 00
L. A. Shaw,	Amherst,	" "	4 00
" "	"	Plate Baldwins,	50
A. B. Howard,	Belchertown,	Collection of Apples,	2 00
" "	"	" Pears,	4 00
" "	"	" Grapes,	4 00

Class 23—Vegetables Grown by Exhibitor. 65 Entries.

W. L. Boutwell,	Leverett,	Collection Vegetables,	10 00
" "	"	Sweet Corn,	2 00
" "	"	Seed Corn,	2 00
" "	"	Squashes,	2 00
" "	"	Ruta Bagas,	1 00
" "	"	Beets,	1 00
" "	"	Tomatoes,	1 00
" "	"	Potatoes,	2 00
" "	"	Exhibit Pumpkins,	1 00
J. H. Richardson,	Amherst,	Seed Corn,	1 00
" "	"	Cabbage,	1 00
Thomas Reed,	"	Onions,	1 00
S. E. Jay,	Hadley,	Oats,	50
W. C. Owen,	Amherst,	Beets,	50
James Comins,	Hadley,	Rye,	50
W. H. Comins,	"	Collection Vegetables,	5 00
" "	"	Exhibit Potatoes,	1 00
" "	"	Peck Potatoes,	1 00
" "	"	Ruta Bagas,	50
" "	"	Tomatoes,	50
" "	"	Beans,	1 00
" "	"	Cabbages,	2 00
" "	"	Winter Squashes,	1 00
E. C. Parker,	Amherst,	Beans,	50
Benjamin Page,	Pelham,	Collection Vegetables,	3 00
L. Joy,	Amherst,	Onions,	1 00
C. E. Stebbins,	So. Deerfield,	Oats,	1 00
" "	"	Barley,	1 00
" "	"	Spring Wheat,	1 00
" "	"	Rye,	1 00
E. N. Fisher,	Ludlow,	Sweet Corn,	1 00

L. A. Shaw,	Amherst,	Collection,	(Gratuity)	1 50
J. H. Richardson,	"	Pumpkins,	"	50
James Shaw,	So. Hadley,	Watermelons,	"	50

Class 24—Flowers. 31 Entries.

L. W. Goodell,	Dwight,	Collection,		5 00
" "	"	Asters,		2 00
" "	"	Verbenas,		1 00
" "	"	Gladioli,		2 00
" "	"	Dahlias,		2 00
" "	"	Japan Pinks,	(Gratuity)	1 00
Mrs. S. W. Boutwell,	Leverett,	Collection,		3 00
" " "	"	Bouquet,		2 00
" " "	"	Asters,		1 00
" " "	"	Gladioli,		1 00
" " "	"	Dahlias,		1 00
" " "	"	Wild Flowers,		2 00
" " "	"	Cockscomb,	(Gratuity)	1 00
A. B. Howard,	Belchertown,	Collection,		2 00
" "	"	Verbenas,		2 00
" "	"	"	(Gratuity)	1 00
M. B. Kingman,	Amherst,	Collection,		1 00
" "	"	Bouquet,		1 00
" "	"	Roses,		3 00

Class 25—Stallions. 3 Entries.

E. E. Wood,	Northampton,	6 00
F. H. Graves,	Sunderland,	4 00
E. F. Wiley,	"	3 00

Class 26 — Breeding Mares with Sucking Colts. 10 Entries.

C. W. Hastings,	Amherst,	5 00
J. C. McQuestion,	Hadley,	4 00
A. L. Hibbard,	Sunderland,	3 00

Class 27—Colts and Fillies. 19 Entries.

L. A. Shaw,	Amherst,	Yearling Draft,	2 00

P. D. Hubbard,	Sunderland,	" "	2 00
D. H. Tillson,	Amherst,	Yearling,	1 00
L. A. Shaw,	"	Two-years-old Draft,	3 00
Edmund Smith,	Hadley,	" "	3 00
E. P. Bartlett,	Pelham,	" "	2 00
" "	"	" "	1 00
E. F. Wiley,	Sunderland,	Three-years-old,	3 00
D. J. Wright,	Northampton,	"	3 00
E. M. Spear,	Amherst,	"	1 00
John A. Nash,	"	"	2 00
John McQuestion,	Hadley,	"	3 00

Class 28 — Farm Horses. 5 Entries.

C. L. Russell,	Sunderland,	Pair,	4 00
P. D. Spaulding,	Amherst,	"	3 00
C. L. Randall,	Belchertown,	Single,	3 00
Benjamin Page,	Pelham,	"	2 00

Class 29—Draft Horses. 7 Entries.

John McQuestion,	Hadley,	Pair,	4 00
G. D. Howe,	"	"	3 00
H. C. West,	"	Single,	3 00
C. L. Randall,	Belchertown,	"	2 00

Class 30—Carriage Horses. 11 Entries.

F. P. Newkirk,	Easthampton,	Pair,	5 00
E. F. Wiley,	Sunderland	"	4 00
C. W. Thurber,	Leverett,	"	2 00
E. F. Cook,	Amherst,	Single,	5 00
W. H. Comins,	Hadley,	"	4 00
O. C. Burt,	Easthampton,	"	2 00

Class 31—Roadsters. 4 Entries.

E. B. Dickinson,	Amherst,	6 00
O. C. Burt,	Eastmampton,	4 00
J. L. Bosworth,	"	4 00

Field Crops.

L. W. West,	Hadley,	Best acre Corn,	5 00
" "	"	" "	4 00
John C. Dillon,	Amherst,	" "	2 00
" "	"	Best ½ acre Potatoes,	5 00
" "	"	" "	4 00
" "	"	" "	2 00

Reports.

F. S. Cooley,	Amherst,	4 00
" "	"	3 00
Mass. Agr'l College,	Gratuity for Display,	40 00

Colt Race, One-year-old.

P. D. Hubbard,	Sunderland,	Parker D., 1st,	8 00
D. H. Tillson,	Amherst,	Tiny J., 2d,	6 00

Colt Race, Two and Three-years Old.

Thomas Courtney,	Victor, 1st,	12 00
A. H. Graves,	Nettie L., 2d,	8 00
L. A. Shaw,	Susie, 3d,	4 00

Running Race.

J. T. Stevens,	Milk Shake,	20 00
J. Donovan,	Dandy,	10 00
Andrew Liberty,	Tom B.,	5 00

Wagon Race.

E. P. Bartlett,	Major B.,	Harness
Andrew Liberty,	Billy,	Blanket
W. H. Comins,	Belle,	Whip

Bicycle Race.

E. B. Smith,	7 00
H. E. Bolter,	3 00

Trotting Races.

2-37 Class. Purse, $100.

E. O. Williams,	Montague,	Rugg,	50 00
W. H. Smith,	Northampton,	Nettie,	25 00
F. R. Cobb,	Hardwick,	David J.,	15 00
F. Templeton,	Monson,	Brooklyn Mate,	10 00

2-50 Class. Purse, $100.

J. M. Trahan,	Greenfield,	Flora M.,	50 00
T. T. Sisson,	Amherst,	Hickory,	25 00
A. Liberty,	"	Harry B.,	15 00
L. Raboin,	Hatfield,	Belle Star,	10 00

TREASURER'S REPORT.

Henry C. Nash, Jr., Treasurer, in account with the Hampshire Agricultural Society:

1891.	*Dr.*	
Cash on hand,	$ 75 34	
To cash, Gate,	418 10	
" Entries,	128 00	
" Pedlars,	25 70	
" State,	600 00	
" New Life Members,	52 30	
" Sale of Grass,	8 00	
" Advertisers,	10 00	
" Geo. Graves' Donation,	2 50	
" L. W. Goodell's Donation,	6 50	
" Mass. Agr'l College, tickets,	40 00	
" Donation Society,	98 76	
		$1465 40
	Cr.	
By paid Savings Bank Interest,	$ 22 50	
" Reports, 1890,	27 75	
" H. M. McCloud,	2 00	
" O. L. Bridgman,	1 00	
" Postal Cards,	1 00	
" Express,	75	
" Postage,	5 00	
" Posting Bills,	2 75	
" Team,	75	
" C. A. Ballou's bill,	10 00	
" Trotting Races,	238 00	

"	Running Race,	35 00	
"	Bicycle Race,	10 00	
"	James White, labor,	1 00	
"	James Wiley's bill,	14 27	
"	R. W. Stratton's bill,	4 00	
"	Savings Bank Interest,	22 85	
"	C. G. Ayres' bill,	20 20	
"	F. H. Boyden's bill,	13 70	
"	A. C. Dodge's bill,	6 00	
"	Premium Lists,	15 00	
"	Posters,	10 00	
"	Tickets,	9 25	
"	Programs,	10 00	
"	Cards,	5 25	
"	Repairing Books,	75	
"	Deerfield Band,	25 00	
"	D. J. Wright's bill,	23 00	
"	M. T. Starkey's bill,	4 00	
"	S. A. Phillips' bill,	6 00	
"	Haskins & Bosworth's bill,	1 50	
"	E. A. King's bill,	9 00	
"	W. A. Magill's bill,	15 99	
"	T. W. Sloan's bill,	4 00	
"	P. E. Irish's bill,	1 75	
"	James Comins,	1 50	
"	Dinner Tickets,	20 00	
"	Team,	75	
"	Tom Buckley,	2 00	
"	F. A. Cadwell's bill,	2 00	
"	Holland & Gallond's bill,	2 09	
"	M. N. Spear's bill,	1 60	
"	J. W. Allen's bill,	8 00	
"	E. J. Steeves' bill,	30 06	
"	H. C. Nash, Jr., Secretary and Treas.,	75 00	
"	Premiums,	681 60	
	Cash on hand,	61 79	
			$1465 40

LIABILITIES.

Note at Amherst Savings Bank,	$750 00	
Interest on same Jan. 1, '92,	22 50	
Printing Reports, estimated,	30 00	
		$ 802 50
Cash on hand,		61 79
		$740 71

AUDITOR'S REPORT.

AMHERST, MASS., Dec. 22d, 1891.

This is to certify that I have this day examined the accounts of Henry C. Nash, Jr., Treasurer Hampshire Agricultural Society, and find them correct, the payment accompanied by proper vouchers with balance of cash in Treasury of Sixty-one and $\frac{79}{100}$ dollars.

E. D. BANGS, Auditor.

REPORTS.

REPORT ON HERDS OF CATTLE.

In submitting their report on Herds of Cattle the committee would first express their regret that competition was so weak. We do not wish to get into hot water, as has one of our prominent public men, by preaching calamity to New England farmers. The past year has been an eminently profitable one for them, and the signs of the times seem to indicate still better things in the near future. In view of this and in view of the many successful dairy farmers in our section it is to be deplored that only three exhibitors should compete for the awards on herds of cattle, and that only one of them was from the town of Amherst.

The Jerseys easily outranked all other breeds in numbers and points of excellence. They seem to be general favorites among our cream producers, and they have truly won this favor on their merits. I believe that the Jersey cross has been the means of wonderfully improving the dairy stock of our region, by imparting a quality to the product which is equaled in very few breeds. They took both first and second prizes at the Hampshire Fair, and while it is not usually wise to rank different breeds in the same class for such premiums, we believe that in this case the award was just.

Of the grand old Shorthorns only a few were on the grounds, yet it is gratifying to note that some breeders are wide awake in their endeavor to keep this noble breed of cattle in their purity and excellence. As beef animals they have met and conquered all comers in small and large shows, and, moreover, there are strains of milk and butter Shorthorns that have proved among the most profitable animals that can be found for the dairy. Probably our common stock owes more to the Shorthorn crosses that have been made than to any other element of blood for the improvement during the past half century.

Holstein–Friesians, though now ranking foremost among dairy animals, had no herd to compete for a premium. The only herd of this breed on the grounds was the Agricultural College herd, comprising four imported cows and their progeny, and headed by the splendid bull Prince of Concord, No. 6594-H-F, H-B. The last named animal being out of a cow with a record of thirty-one pounds of butter in seven days. It is a step in the right direction to build up and improve the butter qualities of this wonderful breed of cattle, and dairymen are taking hold of it with a determinination that cannot but bring success. With the quality of rich and plentiful creaming properties added to the long list of other good points belonging to the Holstein–Friesians they would seem to come very near to the ideal dairy stock; giving an enormous flow of milk, strong and rugged in constitution and of good size. They must certainly lead all others when the butter quality is fixed.

The hardy, handsome Ayrshires though not numerous are worthy of mention. There are many farms that are not managed in the best manner, and the animals are left to shirk for themselves far more than is profitable. No race of cattle is better able to do this than the Ayrshire. They will yield fair returns where some of our improved cattle would be kept at a loss. If they will prove profitable under such circumstances, they will surely give handsome returns when skilfully handled and fed.

That cousin of the Jersey, the Guernsey, was also present in very small numbers. We know that there are some very fine Guernseys in the vicinity and we regret that they were not on exhibition at our fair. It seems as if they possessed most of the attributes of a butter cow, their cream being in the largest proportion and of the best quality so far as breed can make it. They are also hardy and vigorous in constitution.

Of the beef breeds very little needs to be said. Beef cannot be grown in New England successfully as a sole product. Cattle to gain favor as beef animals here must have also value as dairy stock. A very fine Herford herd was shown that was a credit to the breeder, but Herfords have a very bad reputation as dairy animals.

While devoting so much space to the pure-bred classes of cattle it is a great pity to pass unnoticed the great mass of all our horned stock, the grades and natives. It is only in rare herds that we find pure-bred cows. Grades are the rule. They are what most dairy-

men do and will depend on. Though the days of paying fabulous prices for pure-bred animals are past, and good registered cows may be had at a reasonable figure, yet grade cows are and will continue to be the reliance of our milk and butter producers. This class of cows was very sparingly shown at the Hampshire fair when they might have made a very interesting factor in the show. It is here that all prejudice of color, markings, breed, etc., disappears and the animal stands on her merits, and is valued for what she can do. Almost as good animals may be found among our grades as in any of the pure breeds. A carefully selected herd of grade cows mated with a pure bred sire will be found a paying investment. Good cows are the cheapest, and cheap cows are the most expensive. A poor cow requires as much feed as a good one and will not give half the return for the same. The Agricultural College bought twenty grade cows at an average cost of $50 per head when fresh, that produced nearly ten pounds of butter per week apiece and yielded a profit above the cost of feed nearly $60 per head the first year. Such a herd is a credit to any farm. Such a herd will put to shame many a herd with pedigrees as long as your arm. Such a herd shown at our county fairs with a statement of what they were doing would be something every farmer could understand and appreciate. It seems to me that by promoting the work of improving the common herds of grade stock, by creating an interest in breeding and feeding such stock in a better and more systematic way, the Hampshire Agricultural Society would be taking a step in the right direction and become still more a real factor in forwarding the agricultural interests of the community.

Respectfully submitted,
F. S. Cooley,
Chairman of Committee on Herds of Cattle.

REPORT ON VEGETABLES, SEEDS, AND GRAINS.

It was gratifying to the committee to note the size and excellence of the display of vegetables, seeds and grains at the Hampshire county fair this fall. It was really a formidable undertaking to award the premiums because of the close competition. Dame Nature must have smiled long and well on the gardener's efforts all through the section. Two exhibits especially worthy of notice were those of W. L. Boutwell of Leverett and W. H. Comins of Hadley. The

Mass. Agr'l College also had an exhibit that was very large and fine but did not compete for premiums.

Of the collections little needs to be said. Every farmer should have a well selected garden, and abundance of all the garden "sass" he needs. The man with vegetables and fruits in abundance for family needs growing in his garden is truly an independent farmer. The cost of living cannot begin to be as great as if these things had to be bought for cash. Aside from gardening for comfort and the family needs, there seems to be a growing tendency towards raising some of these crops as a money crop. For much of this kind of work many of our New England farms are peculiarly adapted and located. We can turn many scattering acres to account in this way at a much larger profit than in other ways which are commonly practiced.

Extensive farming is growing less and less in favor in the eastern part of the country, small areas thoroughly cultivated usually yielding larger profits. Furthermore, in agriculture as well as in other industries our age is fast becoming one of specialties. I don't mean that the maxim "Don't put all your eggs into one basket," is less true than formerly. It is still well to have more than one thing to rely on as a money crop, and a varied and well-tilled garden is indispensible to good farming. Still here in our close proximity to markets there are many ways of raising a few dollars easily and safely on special garden crops. Dairymen may not be so situated as to make this advisable. Tobacco growers may be fully occupied in their one line as a rule; but hundreds of small farms could be very much more profitably managed by introducing an element of gardening among the other processes.

Potatoes for the market may be considered a farm rather than a garden crop. One year with another they will pay and pay at a time when your pocket book isn't so full as to inconvenience your having a little more in it.

Asparagus has been tried by some, and coming early as it does finds a ready market at good prices. Many a farmer has realized $200 to $400 an acre on this crop.

Beans may be grown on land that is almost a waste with little care, oftentimes bringing a handsome profit.

Cucumbers for pickles have been tried successfully by some. A fair crop of 100,000 per acre at 20 or 30 cents per hundred will figure $200 or $300.

Celery as a special crop pays well if you can raise the best and are near the market.

Tomatoes are often extensively grown with good success and sold at remunerative prices, to the canning factories.

We have taken $150 per acre from a crop of squashes, with an outlay for work and manure of less than $50 and they are a very easy crop to raise and tend.

While one may not successfully compete for much profit in all such lines, each farmer may select some one or more and make it a source of profit and pride. He should go into whatever line he enters well fitted theoretically and practically to produce the best of the article he is engaged in raising. Many are careless in growing, in gathering at the right time and in preparing for the market in a neat and attractive way. The farmer should study and work assiduously to secure the best that can be had, for no matter how dull the market the best product will sell at a fair figure where inferior stuff would have to be thrown away. So after raising and gathering at the right time the crop should be carefully and tastefully arranged for the market. Many an inferior product sells because it is put up to look well, and many a good article is almost thrown away because of the careless indifference with which it is prepared.

Then one must have the "run of the market" as they say. First he must know where to go and when to take each product. Second, he must make a reputation for having the best, prepared in the way to sell the best, marked with his name or brand, and dealing squarely. With the second part established he need not fear competition so long as he deals on the square and keeps the excellence of his product.

It makes us glad to see the right men take hold of this line of work for such men cannot but raise the standard of New England agriculture, and profitably reclaim the abandoned farms of Yankeedom where the best men of the nation are raised.

Respectfully submitted,

F. S. Cooley,

Chairman of Committee on Vegetables.

REPORT ON POTATOES AND CORN.

To the Secretary of the Hampshire Agricultural Society.

The three half-acres of potatoes entered for premiums were

each part of three separate acres, grown on land of widely different character, and under very dissimilar conditions.

The first acre is a strong loam, with a clay subsoil. It is owned by Wm. S. Westcott, and I have cultivated it on shares for several years. Last year it was manured with 3000 pounds of Stockbridge Potato Manure, and produced a crop of 360 bushels of potatoes. Soon after the potatoes were dug I sowed on two bushels of rye and harrowed it in with the Acme harrow. This made a good growth, and, May 1st, 1891, I plowed it in seven inches deep. May 5th, I harrowed, marked, and furrowed six inches deep, and dropped small potatoes—2 to 4 oz. each—a foot apart in the furrow, and covered them two to three inches, with hand hoes. The varieties were Early Rose, White Star, and Early Maine; and there is no appreciable difference in the weight or value of their respective yields. About a week after planting I sowed 2500 lbs. of Wilcox potato manure along the drills, and covered it by harrowing the piece lengthwise of the drills. A fortnight later I gave the piece a thorough harrowing with the Acme harrow across the rows, which filled the furrows nearly level full, destroyed the weed germs, and left the field in the best possible condition for the after cultivation of the crop. This consisted in two passages of the cultivator, one of the shovel plow or horse-hoe, and one of the small, double mould-board plow, two hand hoeings, and one hand weeding. We also dusted the vines with plaster and paris green to kill the bugs, using 150 lbs. of plaster and 2 lbs. paris green. The object sought and measurably accomplished was to provide a liberal supply of available plant food, and repeated additions of the rich mellow earth in which potatoes delight to multiply and grow. The season was favorable, and the crop a profitable one. The rows were three feet two inches center to center, and a rod of row selected, dug and weighed by your committee, yielded 36 lbs., which is at the rate of 499 bushels to the acre.

The second piece is on land in my own occupation. It is a sandy loam, and produced about a ton of hay to the acre in 1889. Last year it was plowed, planted to corn, and manured with seven cords of barn manure and 200 lbs. of Stockbridge corn manure; and a rod selected, harvested and weighed by the committee on Farm Crops, Oct. 30, 1890, yielded 51¼ lbs. of corn on the ear; and this, shelled by the committee, gave 40¼ lbs. of shelled corn. This was at the rate of 115 bushels of shelled corn to the acre. It was plowed April

18th, 1891, planted to potatoes April 26th, and 1000 lbs. of Stockbridge potato manure was sown along the furrows, May 20th. Otherwise the treatment was substantially the same as that on the Westcott lot above described. An average rod of row selected, dug and weighed by your committee, Sept. 8th, gave 30 lbs. of tubers, mostly of good marketable size. This is at the rate of 416½ bushels to the acre.

The third piece is a light, sandy or gravelly loam and produced about a half a ton of hay to the acre in 1890. Early in the spring I spread about five cords of barn manure on the acre, and April 24th plowed it in seven inches. Planted, April 28, Munroe Seedlings and Beauty of Hebron, and, May 20th, sowed 1000 lbs. of Wilcox potato manure in the drill. The planting and after cultivation were similar to that previously described, and the yield of the rod of row selected by the committee was 20 lbs. of potatoes, which is at the rate of 277 bushels per acre. The rod sampled was of the Munroe Seedling variety; but finding that the Beauty of Hebron yielded much better, I left a square rod of this variety which the committee dug when they came, Oct. 1st, to harvest the corn. This rod, dug and weighed in the presence of the committee, gave 120 lbs. of potatoes, which is at the rate of 380 bushels to the acre.

The corn offered for premium was grown on an acre of land on which I raised 102 bushels of shelled corn in 1889 on barn manure and Stockbridge manure, securing the record for the best corn crop raised in Massachusetts in the American Agriculturist Contest. Last year I used 2604 lbs. of Mapes potato manure, and the crop, as sworn to by three witnesses, was 21,210 lbs. or 353 bushels of very smooth sound potatoes. This was also the best potato crop reported in Massachusetts in the Agriculturist Contest in 1890. Soon after harvesting the potatoes, I sowed two bushels of rye to the acre which made a thick mat, and I plowed it in May 20, with a Wiard plow. Planted May 25th with a Dent corn produced by crossing the Early Mastodon with the Pride of the North. In planting, I mark both ways with a marker drawn by two horses, and plant with the Macomber planter. Rows 38 inches and hills 19 inches apart, two and three kernels in a hill. May 28th I sowed 1000 lbs. of Wilcox ammoniated phosphate along the drills, and then harrowed the piece with the Acme harrow, set to run very light. The crop was a magnificent one, but about a week before the committee made their first

visit a neighbor's cows got in and seriously injured it. There was scarcely a square rod which they had not despoiled more or less, but I got the committee to pick, husk and weigh the ears on one rod, and the result was 66 lbs. of corn on the ear. Allowing 70 lbs. to the bushel, this would be at the rate of 150 bushels of shelled corn to the acre. The square rod alluded to, both of corn and potatoes, measured 190 by 206 inches, and included five rows of plants, three feet two inches apart, and a space of 19 inches outside the outer row on each side.

Respectfully,

JOHN C. DILLON.

Amherst, October 30th, 1891.

REPORT ON CORN.

ACRE OF CORN FOR PREMIUM.

The land on which this corn grew has been mowed for several years, without fertilizing. It was plowed seven inches deep in the fall, fertilized with twenty-five loads barnyard manure, worth $1.50 a load, and 300 lbs. "Chittenden's Grain Grower" at $42 a ton. Hoed three times. A selected rod husked Oct. 31st. Dried and shelled Nov. 20. Weight of corn 46 lbs. Weight of cob, 11 lbs.

Equals 131⅜ bushels per acre, at .80,	$105.04	
11,500 lbs. stover " at $6 per ton,	34.50	
		$ 139.54
⅓ Manure taken for crop,	$12.50	
Fertilizer,	6.30	
Cost of cultivation,	20.00	
		$ 38.80
Balance in favor of crop,		$ 100.74

No soft corn when husked.

This corn grew on land which was cleared twenty-nine years ago. It was plowed, sown to wheat, and has been in pasture twenty-seven years since. Fall of 1890 it was plowed; next spring cleared of stumps and "nigger heads," harrowed, manured with twenty loads from barnyard, worth $1.50 per load, and 300 lbs. "Chittenden's Grain Grower," at $42 per ton; harrowed again, planted by hand, hoed twice, visited by committee and examined in September. A selected rod husked Oct. 31st. Corn weighed 45 lbs.; cob, 11 lbs.; This gives per acre:

128⅘ bushels corn at .80,	$102.86	
11,400 pounds stover at $6 a ton,	34.20	
		$ 137.06
⅓ manured taken by crop,	$10.00	
Fertilizer,	6.30	
Cost of cultivation,	40.00	
		$ 56.30
Balance for crop,		$ 80.76

No soft corn when husked.

L. W. West.

Hadley, November 28, 1891.

LIFE MEMBERS 1891.

Mrs. F. E. Loomis,	Amherst.
Mrs. Wm. Kellogg,	"
Alice E. Smith,	"
Mrs. W. H. Comins,	Hadley.
John McQuestion,	"
Charles W. Hastings,	Amherst.
Loren A. Shaw,	"
C. L. Randall,	Belchertown.
Mrs. C. L. Randall,	"
C. E. Stebbins,	South Deerfield.
J. W. Kellogg,	Amherst.
Fred S. Cooley,	"
W. S. Clark,	Granby.

FORTY-THIRD ANNUAL REPORT.

TRANSACTIONS

OF THE

HAMPSHIRE AGRICULTURAL SOCIETY,

FOR THE YEAR 1892.

AMHERST, MASS.:
PRESS OF CARPENTER & MOREHOUSE.
1892.

OFFICERS FOR 1892.

PRESIDENT,

WM. P. BROOKS, - - - - Amherst.

VICE-PRESIDENT,

GEO. P. SMITH, - - - - Sunderland.

SECRETARY,

H. C. NASH, Jr., - - - - Amherst.

TREASURER,

H. C. NASH, Jr., - - - - Amherst.

EXECUTIVE COMMITTEE.

E. D. CHITTENDEN, - - - Sunderland.

J. R. GOULD, - - - - - Belchertown.

W. A. MAGILL, - - - - - Amherst.

E. P. BARTLETT, - - - - Pelham.

W. H. COMINS, - - - - - Hadley.

DELEGATE,

L. W. WEST, - - - - - Hadley.

SECRETARY'S REPORT.

The best exhibit of horses, cattle and poultry that Amherst has seen in many years, large and fine displays of fruits and vegetables, grains and flowers, fancy and art-work, two as perfect days as can be experienced even in a New England autumn, over 2000 persons present on the second day, good races, good music, and a general good time,—these tell the story of the Hampshire Agricultural Society's fair for 1892. It was a social, an artistic and a financial success. Taken in connection with the success of the two succeeding years, it will enable the Society to recover from the long series of misfortunes that have attended it in the past, and will help it in the future to assume that leading position in agricultural matters in this section which it once enjoyed and ought never to have relinquished. There are three things that jointly serve to make the success of an agricultural fair. They are intelligent management, public interest, and good weather. The Hampshire Society was aided by all three the present year, and the result was more than gratifying. The President, the Secretary and the Board of Directors of the Society have been faithful and industrious in their efforts to make the fair a success, and a vast amount of hard work has been done looking to this end. The public appreciated these efforts and did what it could to encourage and sustain them. Wednesday afternoon was made more of a public holiday than any similar occasion in a score of years. Not only were the public schools closed, but the hat factories suspended work and nearly all the local stores closed their doors at noon. This last is a movement that has long been desired by the officers of the Society, but this is the first year it has been accomplished; it should be made a permanent feature of the occasion. The merchants seemed to take more than their usual interest in the fair, and the result was some exceptionally interesting displays of mercantile goods. The completion of the new grandstand marks an era in the existence of the Society, and we believe that it will be the first of a series of permanent improvements. We understand that little expense would be involved in bringing the race track under the rules of the national association, and the advantages

of such action would be readily apparent. The grand-stand is a neat and substantial structure, but it should be enlarged, and we know of one public-spirited citizen who is ready to contribute to this object. There can be no question of the fact that the races held on the park July 4th awakened an interest that led to the erection of the new stand and later on was of great benefit to the fair. Two or three such meets should be held every summer and fall; they would be paying investments to those who got them up, and would add to the interest in the Society and in its fair.

The cattle-show on Tuesday was remarkable for the large number of thoroughbred cattle on the grounds. Jerseys, as usual, retain their supremacy, and there were some exceptionally good specimens of this breed. The Agricultural College had its usual fine display of stock, about equally divided between Ayrshire and Holstein-Friesian breeds. Among them was the bull "Milton Jersey," imported from the island of Jersey, and an Ayrshire bull from the herd of J. D. W. French of Andover. Another animal in the college herd was the Holstein-Friesian cow, "Beth Hoover," with a record of twenty pounds of butter in one week, eighty-four pounds of milk in one day, and 2000 pounds of milk in thirty days; she will probably be exibited next year at the Columbian exhibition at Chicago. A two-years-old heifer was also exhibited that has a record of thirteen pounds of butter in one week. There was the usual fine exhibit of sheep, and an unusually fine display of poultry. The wisdom of having an expert to judge the poultry has been amply vindicated during the two years that the system has been practiced.

The exhibition in the hall was very good, although not so large as we have noticed some years. There seems to be a falling off in the entries of vegetables and grains that is difficult to account for. The display of potatoes was hardly satisfactory, and some of the other farm products were hardly up to the standard. In view of the exceptional interest that is felt just now in the growth of tobacco in this section, why would it not be a good plan to arrange for an exhibit of specimens of this crop, with suitable prizes? The exhibit of fruit was fairly good, that of apples notably so in view of the scarcity of the crop this season. The display of pears and peaches was light, but the exhibit of grapes was excellent.

The Agricultural College had its usual large and attractive display at the hall. This year it contained novelties in the way of foreign grains and vegetables with which experiments have been conducted

on the college grounds. There was a large display of Japanese millet, both stalks and grain, of the soja bean, of French and Japanese hemp and of flax. The millet and soja bean are extensively grown as fodder crops on the college and experiment station grounds and return a handsome profit. A novelty in vegetables is the Japanese radish, which attains an enormous size and is used for feeding. Specimens were shown of "White Southern" corn, grown for ensilage, the stalks on a large field averaging over sixteen feet in height. The horticultural department at the college was represented by a very attractive display of fruit of exceptionally fine quality. The display of grapes was especially tempting, and included some fourteen varieties. None of the college exhibits are entered for premiums, but they are always among the most attractive features at the fair, and are a wonderfully good object lesson of what scientific farming can accomplish on the "played-out farming lands of New England"—to quote a Western definition.

Wednesday was horse-show day, and was enlivened by the presence of Governor Russell, who found time among his numerous cattle-show engagements to spend a part of the day in Amherst.

There was a fine exhibition of horses on the grounds Wednesday, in fact the best exhibition we recollect having seen in Amherst. The past few years has seen a decided impetus given to horse-breeding in the Connecticut valley, and the presence of a number of large stock-farms in this vicinity is manifested more and more every year in the excellence of the horses exhibited at the agricultural fairs. The Society adopted a wise course this year in placing the award of premiums in the hands of expert judges, and the result was more satisfactory to owners and exhibitors. There was a large number of handsome colts on exhibition, and any number of fine driving horses.

The above article taken from the *Record* is so descriptive of our fair that it seemed worthy of publication in our transactions and will give many who may not have been present or read the article an opportunity to know what the press said about it. The present year has been the most favorable for many years, as regards weather for fairs and the financial condition of many societies has been greatly improved, and among the number is included the Hampshire Agricultural Society, the total receipts being larger than those for any year for twenty years and the gate receipts larger than those for the same period, with one exception when an expensive attraction drew the people but placed the Society deeper in debt. The officers this year

were fortunate in securing the attendance of Governor Russell who proved an attraction without an expense to the society. The Executive Committee decided that the property must be improved before the debt could be reduced, as our grounds have not presented an attractive appearance for some years. The old stand had become unsafe and past repair and it was decided to build a new covered stand, for which purpose a subscription paper was started and members and friends were asked to contribute. The response was so generous that a better stand was erected than was anticipated, and we now have a stand that will last many years and is an ornament to our grounds. Stables have been built for stock by members, at their expense, and given to the Society subject to their use when in attendance and it is hoped that more will be built the coming year. Races were held on our grounds July 4th, resulting in a gain to the Society of sixty dollars which was expended in building and repairing the fence. Including the stables we have spent about $700 in repairs, an amount nearly equal to our indebtedness, further improvements are to be made the coming year in repairing and painting the hall and building new pens for stock. With another as good year as this we could complete all repairs necessary for some years, and with our improved grounds and better accommodations would have little difficulty in paying our debt. In accordance with a vote passed by the State Board of Agriculture a list of members is published but the list is not complete, as some of the records were destroyed by fire in 1879. Any members whose names do not appear on the list and who will prove their membership will have their names added. The last list was published in 1882 and it is with regret that in ten years so many names are omitted, death having removed so many of our early members. In order that better reference may be made to more recent members, from 1882 the names are given by years of membership. The Society would be greatly benefited in the accomplishment of its work if more farmers would become members and assist in making our fair a success, as it deserves to be and would be if the farmers of Eastern Hampshire and citizens of Amherst determined that it should be. Believing that there is a growing interest among members and citizens which if continued in a few years will place our society in a prosperous condition, and thanking the officers who have labored so faithfully and the members and friends who assisted and contributed so generously, and hoping for continued success, I am

Very truly,

H. C. Nash, Jr.

LIST OF PREMIUMS AWARDED.

Class 1—Town Teams. 2 Entries.

Town of Pelham,	$20 00
" " Hadley,	15 00

Class 2—Fancy Cattle. 5 Entries.

Chester Smith, Hadley,	5 00
W. B. Fales, Pelham,	3 00
James Fales, "	2 00

Class 3—Working Oxen. 8 Entries.

G. W. Morgan, Belchertown,	5 00
Edmund Smith, Hadley,	4 00
L. W. West, "	3 00
Benj. Page, Pelham,	2 00

Class 4—Steers. 3 Entries.

G. W. Morgan, Belchertown, 3-years-old,	5 00
Edmund Smith, Hadley, "	3 00
G. W. Morgan, Belchertown, 2-years-old,	4 00

Class 5—Milch Cows. 9 Entries.

A. W. Root, Deerfield, Jersey,	4 00
W. C. Owen, Amherst, "	3 00
G. W. Fitch, " "	2 00
W. C. Owen, Amherst, Grades,	4 00
" " " "	3 00
" " " "	2 00
" " " "	1 00

Class 6—Herds of Milch Cows. 4 Entries.

A. W. Root, Deerfield, Thoroughbred,	5 00
W. C. Owen, Amherst, Grade,	5 00
W. A. Magill, " "	4 00
John McQueston, Hadley, Grade,	4 00

Class 7—Heifers. 18 Entries.

A. W. Root, Deerfield, Thoroughbred, 2-years-old,	3 00
W. C. Owen, Amherst, " "	2 00
" " " " "	1 00
W. A. Magill, " Grade, 2-years-old,	3 00
W. C. Owen, " " "	2 00
" " " 1 "	2 00

Class 8—Bulls. 6 Entries.

W. C. Owen, Amherst, Jersey,	4 00
G. W. Fitch, " "	2 00
G. W. Morgan, Belchertown, Gratuity,	4 00

Class 9—Calves. 4 Entries.

L. W. West, Hadley, Bull,	2 00
John McQueston, Hadley, Heifer,	2 00
" " " "	1 00

Class 10—Milk Test.

G. C. & G. W. Fitch, Amherst,	12 00
W. A. Magill, "	8 00
A. W. Root, Deerfield,	4 00

Class 11—Swine.

F. E. Loomis, Leverett,	4 00

Class 12—Sheep. 15 Entries.

J. W. Clark, Hadley, Buck,	4 00
John McQueston, Hadley, Buck,	3 00
C. W. Green, " "	2 00
John McQueston, " 8 Ewes,	4 00

J. W. Clark,	"	"	3 00
Henry Green,	"	"	2 00
L. W. West,	"	8 Lambs,	4 00
"	"	25 Sheep,	6 00

Class 13—Poultry. 54 Entries.

J. C. Dillon, Amherst.	Leghorn,	2 00
" " "	Game,	1 00
H. C. Norcross, Monson,	Plymouth Rock,	1 00
A. D. Norcross, "	Partridge Cochins,	2 00
" " "	Buff Cochin,	1 00
J. B. Brannan, Pelham,	Pekin,	1 00
F. E. Thornton, "		1 00
G. Burdick, Springfield,	Brahma,	1 00
C. F. Morgan, Pelham,	Wyandottes,	2 00
G. G. Graves, Amherst,	Plymouth Rocks,	2 00
" " "	B. " " gratuity	1 00
" " "	Bantams,	2 00
E. N. Fisher, Ludlow,	Geese,	2 00
" " "	Ducks,	2 00
" " "	Light Brahmas,	2 00
" " "	B. Leghorns,	2 00
" " "	" "	1 00

Class 14—Agricultural Implements. No Entries.

Class 14½—Mechanic Arts. 3 Entries.

Diploma to each entry.

Class 15—Mercantile Goods. 5 Entries.

E. D. Marsh, Amherst,	8 00
Kellogg & Stebbins, Amherst,	6 00
C. H. Osgood, " .	4 00

Class 16—Domestic and other Manufactures. 43 Entries.

Mrs. E. J. Leach,	Amherst,	Ottoman,	50
Mrs. G. A. Thayer,	"	Rug,	1 50

Gertrude Merrick,	"	"	2 00
Hattie Harlow,	"	"	50
Mrs. S. W. Boutwell,	Leverett,	Apron,	22
Mrs. R. Bolter,	Amherst,	Bedquilt,	50
" C. King,	"	"	25
" S. Boice,	"	Mittens,	35
" "	"	Sofa Pillow,	25
" J. C. Reed,	"	Quilt,	50
" W. H. Comins,	Hadley,	Afghan,	50
" C. Dickinson,	Amherst,	Quilt,	75
" A. Kimball,	Leverett,	"	1 00
" O. A. Moore,	Hadley,	"	75
" H. C. Comins,	North Hadley,	"	1 00
" P. D. Hubbard,	Sunderland,	Mittens,	25

CLASS 17—FANCY ARTICLES. 87 ENTRIES.

Lessie Wrigley,	Amherst,	Flowers,	50
Mrs. Henry Shaw,	"	Apron,	60
" E. J. Leach,	"	Lace, etc.,	2 50
" George Bolles,	"	Handkerchief Case,	50
Minnie Moulton,	"	Crochet Edging,	30
Mrs. J. Farnsworth,	"	Cuffs, etc.,	2 00
" W. G. Towne,	"	Quilt and Robe,	1 00
Gertrude Merrick,	"	Sofa Pillow,	1 00
Mrs. A. R. Bridgman,	"	"	1 00
" G. E. Bosworth,	"	Table Spread,	1 00
" N. E. Harlow,	"	Scarf,	1 00
" J. Dickinson,	"	Placque,	20
" H. Parents,	"	Etching,	25
" B. Parents,	"	"	40
" J. F. Page,	"	Bedquilt,	75
" L. D. French,	"	"	1 00
" Chester Cowles,	"	"	75
" C. S. Cook,	"	Lamp Shade,	50
" S. Boice,	"	Mats,	50
" C. S. Cook,	"	Wax Flowers,	50
" H. D. Dana,	"	Tray Mats,	1 00
Della King,	"	Tidy,	50
Ada Moulton,	"	Tidy,	50

Mrs. C. A. Hart,	"	Rug,	50
" G. A. Russell,	"	Placque,	30
" George Moulton,	"	Lamp Mat,	75
Minnie A. Wilson,	"	Sofa Pillow,	50
Mrs. C. F. Morehouse,	"	Bureau Cover,	50
" R. W. Stratton,	"	Table Mat,	1 00
" " "	"	Shirt,	50
Miss Kate Howland,	"	Hand Bag,	75
" " "	"	Scarfs,	1 00
" Jennie Cowles,	"	Table Mat,	1 00
Mrs. Leonard,	"	Mat,	50
" Levi Stockbridge,	"	Spread,	75
" F. E. Loomis,	"	Mat,	50
" E. C. Parker,	"	Tidy,	1 00
Nellie Cooley,	Sunderland,	Tidy, etc.,	1 00
Mrs. H. Ballou,	Pelham,	Tidy,	50
" H. C. Comins,	North Hadley,	Apron,	50
" W. H. Comins,	Hadley,	Quilt,	75
" Levi Stockbridge,	Amherst,	Spread,	50
" J. C. Dillon,	"	Handkerchief Case,	70
" C. Williams,	"	Lace,	50
Emily E. Hyde,	"	Lace,	25
Miss Annie Fisher,	Barre,	Doylies,	30
Bessie Newton,	Amherst,	Slipper Case,	40
Mrs. E. S. Moore,	Hadley,	Tidy, etc,,	75
" A. F. Bardwell,	Amherst,	Tidy.	50
" P. D. Hubbard,	Sunderland,		1 50

CLASS 18—FINE ARTS. 20 ENTRIES.

Mrs. A. L. Greene,	Amherst,	Collection of Paintings,	2 00
Miss A. E. Smith,	"	" "	1 50
Mrs. C. F. Morehouse,	"	Landscape,	1 25
Miss Jennie Thayer,	"	Flower Piece,	1 25
" A. E. Smith,	"	Pink Roses,	1 00
Mrs. C. F. Morehouse,	"	Cow,	50
" F. E. Loomis,	"		50
" C. S. Cook,	"	Placque,	50
" E. J. Leach,	"	Painted hearf,	72
Alice R. Fairbanks,	"	Placque,	35
Mrs. J. Dickinson,	"	Placque,	25

Class 19—Bread, Butter and Cheese. 28 Entries.

S. W. Boutwell, Leverett, Butter,	3 00
Asahel Gates, Pelham, "	2 00
Charles Randall, Belchertown, Cheese,	3 00
Mrs. C. E. Stebbins, Deerfield, Wheat Bread,	2 00
" T. L. Paige, Amherst, " "	1 00
" C. E. Stebbins, Deerfield, Rye "	2 00
" T. L. Paige, Amherst, " "	1 00
" S. W. Boutwell, Leverett, Graham "	2 00
" T. L. Paige, Amherst, " "	1 00
" " " " Brown "	2 00
Nellie Day, Belchertown, " "	1 00

Class 20—Honey, Wines, Canned Fruit, Jellies, Pickles, Maple Syrup and Sugar.

E. N. Fisher, Ludlow, Honey,	1 00
Mrs. Charles Eastman, Amherst, syrup,	1 00
" C. E. Stebbins, Deerfield, Sugar,	1 00
" M. Magrath, Amherst, Jelly,	50
" S. W. Boutwell, Leverett, Jelly,	50
" " " " Canned Fruits,	1 00
Lessie Wrigley, Amherst, Dried Fruits,	1 00
Jennie Cowles, Amherst, Wine,	60

Class 21—Fruit.

E. C. Parker, Amherst, Display,	4 00
Mrs. J. C. Dillon, " "	3 00
W. L. Boutwell, Leverett, Basket,	3 00
Mrs. S. W. Boutwell, Leverett, Basket,	2 00
" H. C. Comins, Hadley, "	1 00

Class 22—Fruits Grown by Exhibitor.

A. B. Howard, Belchertown, Collection of Grapes,	4 00
J. W. Clark, Hadley, " Peaches,	2 00
A. B. Howard, Belchertown, " "	1 00
D. H. Tillson, Amherst, " Quinces,	1 00
A. Gates, Pelham, Cranberries,	1 00
Mrs. S. Boice, Amherst, Collection Fruit (gratuity),	2 00

George Cooley, Sunderland, Plate Baldwins,	50
J. W. Clark, Hadley, " Greenings,	50
L. A. Shaw. Amherst, " Russetts,	50
H. D. Dana, Amherst, Collection Apples,	3 00
W. C. Owen, " " "	2 00
Charles Kellogg, " " "	1 00
A. B. Howard, Belchertown, Collection Pears,	4 00
A. D. Moore, Amherst, " "	3 00
C. L. Randall, Belchertown, " "	2 00
Chas. Kellogg, Amherst, " "	1 00

CLASS 23—VEGITABLES GROWN BY EXHIBITOR.

W. L. Boutwell, Leverett, Collection,	10 00
E. N. Fisher, Fudlow, "	5 00
S. W. Boutwell, Leverett, "	3 00
W. L. Boutwell, Leverett, Exhibit Potatoes,	2 00
H. C. Comins, Hadley, Peck "	1 00
W. L. Boutwell, Leverett, Exhibit "	1 00
Tom Read, Amherst, Exhibit Onions,	1 00
Frank Loomis, Amherst, "	50
Benj. Page, Pelham, Exhibit Carrots,	1 00
W. L. Boutwell, Leverett, Exhibit Beets,	1 00
S. W. Boutwell, " " "	50
W. L. Boutwell, " " Ruta Bagas,	1 00
W. L. Boutwell, " " Tomatoes,	1 00
Benj. Page, Pelham, " "	50
W. L. Boutwell, Leverett, " Pumpkins,	1 00
J. W. Allen, Amherst, " Cabbage,	2 00
Benj. Page, Pelham, " "	1 00
W. L. Boutwell, Leverett, Sweet Corn,	2 00
E. N. Fisher, Ludlow, " "	1 00
W. L. Boutwell, Leverett, Winter Squash,	2 00
H. C. Comins, Amherst " "	1 00
C. E. Stebbins, Deerfield, Exhibit Winter Wheat,	1 00
C. E. Stebbins, " " Spring "	1 00
E. N. Fisher, Ludlow, " " "	50
H. C. Comins, Amherst, " Rye,	1 00
E. N. Fisher, Ludlow, " Rye,	50
C. E. Stebbins, Deerfield, " Oats,	1 00

C. E. Stebbins, " "	Sweet Corn,	2 00
W. L. Boutwell, Leverett "	"	1 00

Class 24—Flowers.

L. W. Goodell, Belchertown,	Collection,	3 00
M. B. Kingman, Amherst,	"	3 00
Mrs L. W. Boutwell, Leverelt,	"	2 00
A. B. Howard, Belchertown,	"	1 00
Mrs S. W. Boutwell, Leverett,	Wild Flowers,	2 00
E. N. Fisher, Ludlow,	" "	1 00
L. W. Goodell, Belchertown,	Asters,	2 00
A. B. Howard, "	"	1 00
A. B. Howard, "	Verbenas,	2 00
L. W. Goodell, "	"	1 00
M. B. Kingman, Amherst,	Roses,	3 00
L. W. Goodell, Belchertown,	Dahlias,	2 00
Mrs S. W. Boutwell, Leverett	"	1 00
L. W. Goodell, Belchertown,	Gladioli,	2 00
Mrs S. W. Boutwell, Leverett,	"	1 00
Mrs S. W. Boutwell, Leverett,	Bouquet,	2 00
L. W. Goodell, Belchertown,	"	1 00
Julius Sawtell, Amherst,	Gratuity,	1 00
Lessie Wrigley, "	"	1 00
W. L. Boutwell, Leverett,	"	1 00

Class 25—Stallions. 3 Entries.

John McQueston, Hadley,	Roadster,	6 00
C. A. Frost, Haydenville,	"	4 00
F. H. Graves, Sunderland,	"	2 00
D. J. Wright, Northampton,	Draft,	6 00

Class 26—Breeding Mares with Sucking Colts. 12 Entries.

E. D. Chittenden, Sunderland,	Standard,	5 00
P. D. Hubbard, "	"	4 00
C. W. Hastings, Amherst	Non-Standard,	5 00
E. D. Chittenden, Sunderland,	" "	4 00
E. H. Wiley, "	" "	3 00

Class 27—Colts and Fillies.

F. H. Graves, Sunderland,	Roadster,	Standard	Filly,	one-year	3 00
E.D.Chittenden, "	"	"	"	"	2 00
C. H. Hastings, Amherst,	"	"	"	"	1 00
P.D.Hubbard, Sunderland,	"	"	Stallion,	two-yrs	3 00
W.H.Jenkins, Easthampton	"	non standard	"	"	3 00
W. K. Nash, Amherst,	"	"	"	"	2 00
E. S Dyer, Hatfield,	"	"	"	"	1 00
D. H. Tillson, Amherst,	"	"	Gelding,	"	3 00
E. P. Bartlett, Pelham,	"	"	"	"	2 00
Geo. P. Smith. Sunderland,	"	"	"	one-year	3 00
D. H. Tillson, Amherst,	"	"	Filly,	"	2 00
L. A. Shaw, Amherst,	Draft,	"	"	three-yrs	3 00
L. A. Shaw, "	"	"	"	two-yrs	3 00
Edmund Smith, Hadley,	"	"	"	"	2 00
G.H.Leonard, Easth'ton	Roadster	"	"	three-yrs	3 00
C. Gunn, Sunderland,	"	"	"		2 00
E. P. Bartlett, Pelham,	"	"	"	"	1 00

Class 28—Farm Horses.

P. D. Spaulding, Amherst	Pair,	4 00
C. L. Randall, Belchertown,	"	3 00
F. O. Curtis, Amherst,	Single,	3 00
C. L. Russell, Sunderland,	"	2 00

Class 29—Draft Horses.

F. A. Cadwell, Amherst,	Pair,	4 00
F. A. Cadwell, "	"	3 00
F. A. Cadwell, "	Single,	3 00
John McQueston, Hadley,	"	2 00

Class 30—Carriage Horses.

W. H. Comins, Hadley,	Single,	5 00
E. F. Wiley, Sunderland,	"	4 00
H. W. Wright, Easthampton,	"	2 00

Class 31—Roadsters.

H. M. Clark, Ware,	Single,	6 00
M. Prouty, Hatfield,	"	4 00
M. Ross, "	"	2 00
J. L. Bosworth, Easthampton,	Double,	5 00
H. M. McCloud, Amherst,	"	4 00

Field Crops.

F. O. Williams, Sunderland,	Best acre corn,	5 00
L. W. West, Hadley,	" " "	4 00
L. W. West, "	" " "	2 00
A. E. Pierce, Hadley,	Best one-half acre Onions,	5 00
F. O. Williams, Sunderland,	" " " "	2 00

Reports.

F. S. Cooley, Amherst,	4 00
F. L. Arnold, "	3 00
F. S. Cooley "	2 00
Mass. Agr'l College, Gratuity for display,	40 00

Colt Race, One-Year-Old.

E. D. Chittenden,	Lady Chance,	1st,	10 00
F. H. Graves,	Annietta,	2nd,	6 00
F. Howard,	Nero,	3rd,	4 00

Colt Race, Two-Year-Old.

P. D. Hubbard,	Parker D.,	1st	15 00
F. H. Graves,	Achsah,	2nd,	10 00
W. H. Jenkins,	Dean Swift,	3rd,	5 00

Colt Race, Three-Year-Old.

A. H. Graves,	Nettie L.,	25 00
C. A. Frost,	Kitty F.,	15 00

Road Wagon Race.

Frank Deuel,	Forrestry,	1st,	Harness
H. M. Clark,	Summer Boy,	2nd,	Blanket
Frank Wood,	Spot,	3rd,	Whip

Bicycle Race.

A. A. Stacy,	Belchertown,	1st Prize
F. C. Shaw,	Amherst.	2nd Prize

Trotting Races.

2-45 Class. Purse, $100.

E. P. Bartlett, Pelham,	Major B.,	50 00
J. N. Dillon, Belchertown,	Little Fred,	25 00
F. Brownlett, Ware,	Kitty P,	15 00
H. E. Newton, Amherst,	Little Joe,	10 00

3-00 Minute Class. Purse, $100.

T. T. Sisson,	F. F.,	50 00
E. D. Chittenden, Sunderland,	Falman,	25 00
Felix Bombard, Ware,	Jenny,	15 00
B. F. Howard, Sunderland,	Nellie H.,	10 00

TREASURER'S REPORT.

Henry C. Nash, Jr., Treasurer, in account with the Hampshire Agricultural Society:

1892.	*Dr.*	
To cash on hand,	$ 61 79	
" Rental of grounds,	59 90	
" Gate,	513 85	
" Grand Stand,	47 30	
" Pedlars and rents,	66 00	
" Entries,	157 00	
" Advertisers,	8 00	
" State Treasurer,	600 00	
" Life members,	80 00	
" Mass. Agr'l College, tickets,	40 00	
" Subscriptions,	235 00	
" Donation Society,	122 00	
		$1989 76

	Cr.
By paid Savings Bank interest,	$ 22 50
" Reports, 1891,	32 00
" Error bank account,	7 00
" Express,	85
" W. A. Magill's bill,	52 31
" Postage,	6 00
" Trotting races,	288 50
" Savings Bank interest,	22 85
" Band,	28 00
" R. W. Stratton's bill,	5 00
" H. E. Newton's bill,	3 00
" L. E. Goessmann's bill,	1 50
" Carpenter & Morehouse's bill,	54 70
" C. A. Ballou's bill,	10 00
" L. M. Payne's bill,	15 00
" F. P. Toole's bill,	14 25
" E. J. Steeves' bill,	31 48

" E. D. Huntington's bill,	1 50	
" James Wiley's bill,	16 27	
" J. J. Potwin's bill,	4 00	
" W. A. Magill's bill,	6 55	
" F. P. Toole's bill,	5 00	
" Holland & Gallond's bill,	3 20	
" M. Britt's bill,	2 00	
" Haskins & Bosworth, grand stand,	535 00	
" A. S. Alberty's bill,	3 00	
" E. P. Bartlett's bill,	19 00	
" E. A. King's bill,	6 50	
" Carpenter & Morehouse's bill,	3 25	
" Bicycle race,	10 00	
" S. A. Phillips' bill,	1 10	
" D. J. Wright's bill,	2 00	
" Dinner tickets,	15 00	
" T. L. Paige's bill,	10 00	
" R. Putnam's bill,	5 00	
" Flavel Gaylord's bill,	11 34	
" D. H. Nash's bill,	15 00	
" M. N. Spear's bill,	70	
" H. C. Nash, Jr., Sec. and Treas.,	75 00	
" James Comins' bill,	3 00	
" Premiums,	640 90	
" Cash on hand,	51	
		$1989 76

LIABILITIES.

Note at Amherst Savings Bank,	$750 00	
Interest on same Jan. 1, '93,	22 50	
Printing Reports, estimated,	35 00	
		$807 50
Cash on hand,	$ 51	
Due subscriptions,	30 00	
		30 51
Net liabilities,		$776 99

AUDITOR'S REPORT.

AMHERST, MASS., DEC. 22nd, 1892.

This is to certify that I have this day examined the accounts of Henry C. Nash, Jr., treasurer of the Hampshire Agricultural Society, and find them correct, the payments accompanied by proper vouchers, with balance of cash in the treasury of fifty one cents.

E. D. BANGS, Auditor.

REPORTS.

REPORT ON FARM AND DRAFT HORSES.

In submitting their report on draft horses the committee would comment favorably on the interest taken in the contests. It would seem prophetic of the larger classes in the near future. While the number of entries was deplorably small, the quality of the animals entered was extremely good. Nearly all were well built, well developed and courageous. In comment on this class more need not be said.

The class of farm horses had more entries than the foregoing, but the horses entered were not nearly as good of their kind. A good farm horse should be a good general purpose horse. A little heavier in weight than is generally seen, (about 1200 lbs.) blocky, good in action and especially in the walking gait, is the writer's idea of a farm horse. Of the animals entered only one showed a good walking gait. I believe that the Hampshire Agricultural Society might do much towards improving our farm horses, by making special awards for fast walking horses and colts.

It was noticeable that there seemed to be a considerable variety of opinion as to what is the type of a farm horse. Among those entered were some large, slow and sluggish, fit only for heavy draft. Others were very light and active; too light for much of the work required to be done on a farm, and suitable only for light work and driving. The lines do not seem to be drawn so that the kind of horses which ought to compete in this class is understood, and perhaps a suggestion with regard to it could be profitably inserted in the premium list.

So much for the animals at the fair in the two classes. I venture to say not one of them was raised by his exhibitor. I happen to know that most of them were not, and on general principles I judge that such horses are not raised in this section. Among the carriage horses and gentlemen's driving horses and others bred for speed probably many are reared by their owners. Not so the farm and draft horses. With the exception of a few colts belonging to the

Mass. Agricultural College, there was hardly a colt on the park from a sucker to a three-years-old adapted for anything but driving. This state of things is not discouraged by the premiums offered by the society, and perhaps it cannot be until local horse breeders themselves awake to their folly. New England is over-run with a class of horses altogether too light and too aristocratic for the work which must be done. As a consequence we are dependent on the West or elsewhere for the animals to do our work.

Which of the two classes of colts is the more profitable? If any one has any doubt in the matter let him attend a few sales and see for himself which brings the better prices. A trotting bred horse that cannot trot in "forty" or better has no great value, yet there are thousands being bred that can barely do their mile in four minutes. Such horses unless of good size sell for very little. The only explanation I can think of for such a course of breeding is man's love of lottery. A thousand buy tickets. One draws a prize. There is just one chance in a thousand that you will win. Go in and do your best for it.

A fact that tends to augment the evil is the prodigious number of semi-scrub stallions in the section. Their services may be had for a very small fee, and the results show an unprofitable investment at that. In breeding for speed as well as in everything else "the best is cheapest." It would be a blessing to New England horse breeders if the old French and English plan of subsidizing good stallions and destroying inferior ones was practiced by our government.

In breeding farm and draft horses there is no lottery or chance for a great prize, but there is a certainty of something that will sell at a profit, and tend to improve our common stock. Would that farmers might awake to their own interests and give up the lottery of scrub trotters for the certainty of good general purpose horses!

Fred S. Cooley,
Chairman of Committee on Farm and Draft Horses.

REPORT ON MILK TEST.

Among the many branches of husbandry in which we find the people of New England engaged, doubtless the most important is that popularly known as "dairy farming" This branch has claimed the attention of the Eastern farmer for more than a century, and has

proven to be capable of producing large returns, at the same time furnishing much enjoyment. During the past few years rapid strides have been made in the science of this particular branch. Apparatus have been perfected and methods laid down whereby the farmer of average intelligence can obtain a definite idea as to what a cow is actually worth. Hence considering its importance it is gratifying to see the high position this branch occupies in our fairs, the spirit of which has been to educate the farmer in the science of dairying and interest him in keeping the best stock.

During previous years the committees on dairy cattle have regarded almost entirely form and flesh in awarding the prizes, little or no consideration being paid to the quantity and quality of the milk given, the very essential features in which we look for success. A perfect form and good flesh and color of a cow are grand points but a regard for them only cannot insure the prize being given to the most deserving animal for dairy purposes.

But there is a reaction coming in favor of those useful and valuable qualities so essential to the dairy cow. It is interesting to note that several trials have been made at fairs in this country and England where the cow has been put to an actual test and the quantity and quality of the milk given for a definite period actually determined.

This year the Hampshire Agricultural Society took a step in this direction. Three prizes of twelve, eight and four dollars respectively were offered to the cow yielding the largest amount of butter fat in twenty-four hours. The test was open to all cows without regard to breed, age or previous record. The owner was allowed to feed, milk and manage his animal as he saw fit, but after the milk was drawn the committee claimed full management and ownership of the same. Four cows, grade Jerseys, were entered for the trial. Through the kindness of Mr. King they were furnished comfortable quarters close to the fair grounds. The cows were milked clean in the presence of members of the committee Monday evening, Sept. 26th, and the time of milking each animal noted. The following morning the cows were milked between the hours of five and six, the milk being carefully weighed and samples taken for analysis. On the night of Sept. 27th each cow was milked just twenty-four hours from her time of milking on the 26th, the milk being weighed and sampled as before.

The following system of marking was adopted:

One point is allowed for every .01 pounds of butter fat in day's

milk. And in addition for every ten days subsequent to the first twenty after calving, allow as many points as there is per cent. fat in the day's milk. This correction is based on the supposition that twenty days after calving the average cow falls off in yield of milk one pound every ten days, or in other words as many hundredths pounds butter fat as there is per cent. fat in the milk. A limit was placed on this correction at 200 days. A consideration of this additional allowance would place to cow long in milk on the same level as the new milch in competing for the prize, with possibly an advantage from the fact that the per cent. of fat in milk increased as the period of lactation advances.

The analysis of the milk was made by the State Experiment Station, the apparatus employed being the Babcock milk-tester, a thoroughly accurate and reliable method. Following is a tabular statement of the results:

	Cow No. 1	Cow No. 2 "Adaline"	Cow No. 3 "Bucephala"	Cow No. 4.
A. M.				
Yield of milk (pounds),	16 1-2	18 1-16	17 3-4	11 3 8
Per cent. fat in milk,	5.60	4.30	3.40	4.40
Pounds of fat in milk,	0.924	0.7767	0.6035	0.5005
P. M.				
Yield of milk (pounds),	16 1-2	17	18 5-16	10 11-16
Per cent. fat in milk,	4.50	2.50	2.80	4.45
Pounds of fat in milk,	0.7425	0.425	0.5128	0.4756
Pounds of fat in total milk,	1.6665	1.2017	1.1163	0.9761
Points won on milk,	166.65	120.17	111.63	97.61
Additional points (10 days),	—	—	—	4.43
Total points,	166.65	120.17	111.63	102.04
Age,	6 years	8 years	7 years	11 years
Last calf dropped,	Sept.12,'92	Sept.8,'92	Sept.20,'92	Aug.25,'92

Cow No. 1, owned by Messrs. G. W. & G. C. Fitch, Amherst.
Cows Nos. 2 and 3, owned by Mr. W A. Magill, Amherst.
Cow No. 4, owned by Mr. A. W. Root, Deerfield.

Respectfully submitted,

F. L. Arnold.

Amherst, Mass., Oct. 31, 1892.

REPORT ON SHEEP.

The committee on sheep at your fair last September would express their appreciation of the interest shown in this department. There

was certainly, so far as numbers go, a commendable exhibit. Middle-wools were not simply the majority, but the sum total of the entries. Southdowns, Shropshire and Hampshire Down were the only breeds represented. Southdowns easily lead in numbers and in quality. An especially fine ram, also a pen of good ewes were shown by James McQueston of Hadley. The flock belonging to the Massachusetts Agricultural College was present and a finer group of Southdowns can scarcely be found in New England. Of the Shropshires John Clark's flock of North Hadley deserves mention. While too much out of condition to be especially attractive they showed good breeding and points.

Your committee was impressed by the carelessness shown in the selection of some of the pens of sheep. It would seem as though the exhibitors counted on weak competition rather than on real merit in these cases to secure the awards. Having seen some of the flocks I feel sure that some of the exhibitors could have shown what would have been far more creditable to themselves and to the society, had they exercised more care in selecting their animals for entry.

Another thing we would mention is the stock rams. About half the entries were good animals of pure blood; the rest were either pure-bred scrubs or scrub pure-breds. It is hard to understand how intelligent farmers of this enlightened nineteenth century can use such sires when fine registered stock can be so easily procured. The cost of a pure-bred ram to-day is low enough to place him within the reach of every sheep breeder, and the results of using such an animal, in profits and in satisfaction to the owner, are immeasurably ahead of those in using such rams as a few of those shown at the Hampshire fair. I would be in favor of debarring any but pure-bred sires from competing in any of our shows. This is not eminently a sheep-raising section but the plan of using scrub rams will not tend to improve it in this respect.

It was very noticeable that one of the breeds of sheep most commonly found in sections where sheep are numerous was entirely wanting. Hardly a trace of Merino blood could be detected. Dorset Horns were also absent.

Perhaps the most profitable branch of sheep husbandry to-day is the production of early lambs. Wool is too low to make that a principal product of the flock. As it costs no more to produce a fleece weighing six to eight pounds than one weighing only three or four pounds while the difference in price may be a dollar or more per head,

breeders should aim to secure good fleeces as well as a good carcass. Late lambs and mutton will pay if carefully managed, though the margin is not wide. Early lambs on the contrary are capable of bringing large returns if skillfully managed. It is just this skillful management that is responsible for the large returns. Comparatively few breeders are skillful in raising early lambs. The necessary care is not taken. Few lambs are to be had when the market is high and the few successful growers obtain large profits.

One of the first essentials in raising early lambs is the selection of the breeding flock. It is well known that the mutton breeds, i. e. the Downs and large sheep (perhaps excepting the Dorset Horn) do not breed early enough in the season for the lambs to come at the proper time. It requires a part of the Merino blood in the ewes to make the best early breeders. Some of the most successful growers of early lambs use cross-breed Merino and Southdown or Shropshire ewes and mate with a mutton breed ram. Such a flock gives better and heavier carcass than high grade Merinos and will breed equally early. If properly managed such a flock will give lambs in early December, which may be fed so as to be ready for market by the first of March. Eight to twelve dollars is not an unusual price for lambs that will weigh from fifty to sixty pounds at that time.

It is true that such a system requires attention and care in midsummer when haying and weed-killing and tobacco culture are all crying for the farmer's whole time. Still by giving his flock a very little attention then he could soon rest assured that little more need be done till after the harvest was over and all the time needed was at his disposal. It requires much less work to care for a flock of sheep than for a dairy of cows, and by following such a course as the one described the profits would be large. Moreover most of the income of the farm is received at harvest time, late summer and early fall. A good sale of early lambs would affect the farmer's pocket-book just at a time when the lucre would be most welcome. Also in early summer when there is not so much else to turn into money, the returns from a crop of wool from a good flock would be very convenient.

Dogs are a serious hindrance to sheep raising in our section, and they are much more a nuisance here than where sheep are more generally kept. Perhaps a partial solution to the dog problem is to keep more sheep. While our dog laws are not all they might be, they are now framed so that the sheep raiser need not suffer serious loss, and dog owners are liable to suffer heavily for any damage done.

In view of the comparatively little care required in keeping sheep, the safety of the business and the possibility of large profits, we hope that the industry will become more generally followed in the section. To this end our Agricultural Society can do much in its awards at the local fair, and still more by awakening an interest at the farmers' institutes. Since I have known the society not a single institute has been held in the interest of the sheep industry. Would it not be a wise thing to give sometime in the near future at least a part of one of our institute meetings to the interests of this important branch of husbandry?

Respectfully submitted,

F. S. Cooley,

Chairman of Committee on Sheep.

REPORT ON ONIONS.

FIRST PREMIUM.

Crop of A. E. Pierce entered for premium.

The land on which this crop grew is the best river intervale, it has produced onions for the last three or four years with the application of commercial fertilizer. This season there was applied

One ton of Canada wood ashes,	$12 00
800 lbs. Chittenden's fertilizer,	16 00
Plowing, fitting and putting on fertilizer,	6 00
Cultivating and weeding,	9 00
Harvesting and carrying to depot,	25 00
Total cost of crop including seed, $4.50,	72 50
Credit by 223 bu. large onions at 75c.	167 25
By 27 bu. small onions at 35c.	9 45
	176 70
Balance in favor crop,	104 20

SECOND PREMIUM.

Half-acre grown by F. O. Williams of Sunderland.

The ground on which the onions grew has produced that crop for the past 15 years and comprises of about three-fourths of an acre. The field has received a light dressing of barn-yard manure each

year, besides Canada wood ashes every two or three years. The soil is a heavy loam which was plowed in November, 1891, to a depth of six inches The land was well fitted and made smooth with the Meeker harrow, and sown the 15th day of April in drills 14 inches apart. The crop was kept entirely free from weeds, being wed four times and the Shirffle hoe kept constantly in use. Your committee examined the crop Sept. 12th, at the time the onions were being pulled. Sept. 20th the crop was harvested, and sold with the following results:

Large onions, 13,805 lbs. or 246¼ bu., or 492½ bu. to the acre.
Small ones, 520 lbs., or 10 bu. one-half acre, or 20 bu. to acre.

246¼ bush. large onions, at 65c. per bush,	$159 06
10 bush. small onions, at 40c.,	4.00
Total,	$163 06
Cost of cultivation and seed,	$41 00
Barnyard manure used on crop,	12.50
	$53 50
Balance in favor of crop,	109 56

Sunderland, Mass., Nov. 11th, 1892.

REPORT ON CORN.

FIRST PREMIUM.

Report of corn crop raised by F. O. Williams, Sunderland.

The acre of corn entered for premium grew on land which had produced beets and carrots the two preceding years, having ten cords of barnyard manure to the acre. The soil is a light loam, which was plowed in November, 1891, to a depth of eight inches. Barnyard manure was applied in the spring, at the rate of fifteen loads per acre, valued at $22.50. The land was well wheel-harrowed and seed bed made smooth, and planted May 25th with "Sibley's Pride of the North" corn. The "Woods" planter being used, and planted in drills three feet apart and hills two and one-half feet; three stalks in a hill. The crop was cultivated several times and hoed twice.

Sept. 13th the corn was cut and bound with string, also stooked, eight bundles to a stook. The husking was done in the field and carted to the barn, commencing Oct. 20, the corn being quite dry and stover well cured. The crop was examined by your committee Sept. 12th and the manner of obtaining the yield described. In husking the corn from a certain number of stooks was kept separate. Nov. 10th it was shelled and weighed, with the following results:

Corn, 189 lbs.; cobs, 35½ lbs.; fodder, 234 lbs.

Yield of corn per acre, 6342 or 113¼ bushels.

Yield of stover per acre, 7395 or 3$\frac{7}{10}$ tons.

Corn at 70c. per bushel,	79 27
Fodder at $6.00 per ton,	22 20
	$101 47
Cost of cultivating with manure,	45 00
Balance in favor of crop,	56 47

SECOND PREMIUM.

Acre of corn raised by L. W. West, Hadley.

Corn grew on this acre last year. This year fertilized with fifteen loads of manure and 300 lbs. Chittenden's grain grower, hoed twice, level culture, seeded to grass the first of August. One rod husked October 20th, weighed 50 lbs., this at seventy pounds to the bushel gives 114$\frac{2}{7}$ bushels to the acre.

The account of crops is as follows:

Dr.

To 15 loads manure, at $1.50 per load, one third charged to crop,	$7 50	
" 300 lbs. Chittenden's grain grower,	6 00	
" Labor of all kinds,	20 00	
" Seed,	40	
		$33 90
Credit by 114$\frac{2}{7}$ bushels corn, at 50c,	$57 14	
" 4 tons stover, at $5.00,	20 00	
		$77 14
Net profit,		43 24

THIRD PREMIUM.

Acre of corn raised by L. W. West, Hadley.

This acre of land had been pastured for more than thirty years. It was plowed in the spring and fertilized with 400 pounds of Chittenden's Grain Grower; was hoed three times. Corn from one rod was husked October 29th, and weighed forty-four pounds. Account of crop is as follows:

400 lbs. Chittenden's G. G.,	$ 8 00	
Labor of all kinds,	25 00	
Seed,	40	
		$33 40
Credit by 100$\frac{4}{7}$ bushels corn, at 50c.	$50 29	
3$\frac{1}{2}$ tons stover, at $5.00,	17 50	
		$67 79
Net profit,		$34 39

LIFE MEMBERS.

Previous to 1882.

AMHERST

FARMERS

Adams Asa
Allen L W
Allen James W
Allen Mrs James W
Baker Enos
Bangs Danforth K
Bartlett Lewis A
Billings Warren S—removed
Cowles Mrs Clinton J
Cowles Francis I
Cowles James
Cowles Mrs James
Cowls Jonathan
Cowls Mrs Jonathan
Cowles Ransom
Cowles Mrs Ransom
Curtis O H
Dana Joseph
Dana Joseph D
Dickinson Asa
Dickinson Mrs Daniel
Dickinson M F
Dickinson Mrs M F
Dickinson Mrs Moses B—removed
Dickinson Mrs S S
Dickinson C R
Dutton Alonzo
Dutton Mrs Alonzo
Eastman Charles A
Eastman Mrs Charles A
Eastman George H
Eastman William
Gaylord Flavel
Gray Joseph P
Gray Mrs Joseph P
Hastings Edmund
Hawley Stetson
Hobart Edmund
Hobart Mrs E
Ingram Frank
Ingram Rufus—removed
Kellogg W A
Kellogg Willard
Kellogg W M
Kellogg Mrs W M
Kellogg C H
King E A
King Isaac
King W A
Lincoln R S
Loomis A D
Longley Mrs O S
Marshall A C
Marshall Mrs A C
McMaster Charles—removed
McMaster Alvan—removed
Miller C H
Munsell Mrs E G—removed
Parker E C
Parker Mrs E C
Pomeroy David
Reed Thomas
Reed Mrs T
Roberts J B—removed
Smith Thomas W
Smith Charles S
Smith Mrs Charles S
Smith John W
Smith S D
Smith J P
Smith Mrs J P

Smith Mrs W B
Smith W W
Smith Mrs W W
Spaulding Philip D
Spaulding Mrs P D
Stone F L
Thayer Charles E
Thayer Mrs J
Thayer Mrs S A
Wakefield Salmon
Watson H D—removed
Watson Mrs H D—removed
Webster Charles N—removed
White John C
White Mrs J C
White Martin
Whitney S W
Wiley John—removed
Wiley Mrs John—removed
Williams Oren
Williams Mrs Oren
Williams Mrs F

NOT FARMERS

Ainsworth Forrester
Aldrich Charles P—removed
Allen Mrs H H
Allen Lysander H
Allen M Adams—removed
Aldrich Nehemiah—removed
Allen B B
Bartlett Moses L
Boice Mrs Sanford
Burnham George—removed
Burnham Mrs George—removed
Bliss Zenas W—removed
Chapin Otis H
Clark Mrs W S—removed
Clark Albert—removed
Clark John W
Clark Mrs Mary E R
Clapp Miss Hattie
Crosier Mrs James
Clark Mrs Stillman D
Conkey Miss Jennie C—removed
Conkey Edward—removed
Conkey Miss Kate—removed
Cook Enos F
Cook Mrs Enos F
Cowles Frank
Cowles Oliver
Cowls Walter D
Cowles Mrs Francis J
Cowles Miss Jennie
Cushman Avery R
Cushman Mrs Avery R
Cushman Ephraim Jr
Cushman Mrs Ephraim Jr
Cushman Sanford C—removed
Cushman Mrs S C—removed
Cutler George
Cutler Mrs George
Couch O G
Couch Mrs O G
Davis Mrs E A
Dana H D
Dana Mrs H D
Deuel Charles
Deuel Mrs Charles
Dickinson Mrs E P
Dickinson Mrs L M
Dickinson Mrs M L
Dickinson Miss L N
Dickinson Miss Lovina
Dickinson Miss Lydia
Dickinson Miss Sarah M
Dickinson William A
Dickinson Mrs W A
Dickinson Mrs Mary
Dillon John C
Eastman Mary C
Eastman Martha E
Emerson Mrs Sarah E
Ferry Miss Sarah P—removed
Fearing H D
Fisher Miss Fidelia
Fisher Rev George E
French Miss Mary
Field E G—removed
Field Mrs E G—removed
Fitts Elijah B—removed
Gaskell Chester
Graves Dwight
Hastings Thomas H—removed
Haskins H W
Haskins Mrs H W

Hawley C M—removed
Hayward Mrs C F
Harrington Moody
Harrington S F
Harrington Mrs S F
Hills H F
Hills Mrs L M
Hills L D
Hobart Hattie S
Howes F H—removed
Hobbie W H—removed
Howard M W
Howard Mrs M W
Howland Mrs W S
Hunt O D
Hutchinson C E
Howard Mrs S A
Henderson A R—removed
Henderson Mrs A R—removed
Hunt William W
Howard Mrs C H
Jackson Henry
King Miss Ella
Kenfield C S—removed
Kellogg H C—removed
King Mrs C A
Kingman M B
Kendrick B F
Leach B F—removed
Lovell C O—removed
Lovell J L
Lovell Mrs J L
Lewis Hattie E—removed
Magill William A
Mather Mrs W E—removed
Merchants Mrs M E—removed
McCloud H M
McCloud Milton—removed
McCloud Mrs Milton—removed
Montague George
Montague G C
Nash Mrs Charles
Nash Henry C
Nash Mrs H C
Olney Mrs Almira
Parker G L—removed
Palmer D W
Palmer Miss S D
Parmenter C O
Pomeroy L H—removed
Pomeroy Mrs L H—removed
Park J W—removed
Read J E
Read Mrs J E
Roberts Mrs F H
Robinson Ferdinand—removed
Robinson Mrs F—removed
Rawson J H
Russell Mrs Emerson—removed
Sabin E T
Scott Nelson Rev
Saxton W H—removed
Stratton R W
Stratton Mrs R W
Shaw Almira
Sisson L W
Sisson T T
Skinner J L—removed
Skinner Mrs J L—removed
Sloan T W
Smith Robert H
Spear Mrs S
Spear M N
Storrs C L—removed
Stockbridge Hon Levi
Stockbridge Alice
Stockbridge H D
Stratton Mrs Chester
Seelye Prof L C—removed
Seelye W J
Taylor Mrs I H
Turner Mrs E G
Thomas Hon E A
Turner Mrs R—removed
Tyler Prof W S
Tyler Mrs W S
Upton Miss E C
Vincent Dr J J—removed
Whitney Miss Hattie
Whitney Mrs S W
Wrigley Belle
Wheaton E J—removed
White Harvey
Wrigley Mrs John
Ward Horace
Ward Mrs Horace

Whipple George A
Williams Lucas
Woodworth C L Rev—removed
Woodworth Mrs C L—removed
Wright Sylvanus M—removed
Young J J—removed

ATHOL

Putnam Rufus
Putnam Mrs Rufus
Horr George W Esq
Horr Mrs George W

BOSTON

Rowe Mrs A C
Shaw G L
Wetherell Leander
Woodman G S M D
Woodman Mrs G S

BELCHERTOWN

FARMERS.

Cook L V B—removed
Dwight Nathaniel
Goodale Asahel
Goodell L W
Howard A B
Longley H A
Stacy A W
Stacy Mrs A W
Sabin Lyman
Walker Emory P—removed

NOT FARMERS

Chandler George—removed
Chandler Mrs George—removed
Chandler Henry J—removed
Clark Norman P—removed
Dickinson Samuel—removed
Graves Mrs William
Packard Joel—removed
Thayer Morris—removed
Thayer Manser R—removed
Wilson Daniel K
Whitney A A

BROOKFIELD.

Carpenter R

CHICAGO ILL.

Alden Thomas
Boyden Hon J W
Dickinson W P
Dickinson Mrs W P
Haven Mrs J
Pierce Francis A
Tapley George W
Payson Joseph K

CONWAY.

Brown J F
Johnson G H
Montague Warren
Montague Mrs Warren

DEERFIELD.

Mosher Chas
Rust H N
Stebbins B F
Stebbins Evander G

EASTHAMPTON.

Colton Rev A M
Colton Mrs A M
Matthews Horace
Sabin Sherman
Sabin Mrs Sherman

ENFIELD.

FARMERS.

Blodgett David
Fobes Henry
Howe J J
Kimball W B
Kimball C H
Martindale J W
Porter Lyman D
Root Joseph

NOT FARMERS.

Abbott Frederick
Ballou Hiram—removed
Gillette Hon D B

Moody Augustus
Smith E P
Smith H M
Wood Joseph E R

GRANBY.

FARMERS.

Clark Charles F
Preston J H D
Smith Samuel Jr
Smith Mrs Samuel Jr
Smith W A

GREENFIELD

Davis Hon G T
Hager F S
Owen Euclid

GREENWICH

Carter John
Warren S W

HADLEY

FARMERS

Adams Charles W
Baker John A
Chapin Edwin
Clark E J
Cook George E
Comins James
Comins Mrs James M
Comins H C
Comins Mrs Ellen
Comins W H
Comins Mrs James
Cowles David S
Cowles D
Cowles Homer L
Cowles John S
Damon S C
Dickinson Alphonzo
Dickinson Mrs A
Gray Chester
Green Henry
Hawley F A
Hawley W F
Hibbard E P—removed
Hibbard Mrs E P—removed
Hibbard S S
Huntington Mrs T G—removed
Horton Mrs D A
Ingram F E
Kellogg I C
Kellogg B A
Kenfield J B
Kenfield Mrs J B
Morton T Dwight
McQuillan W E
Morton Mrs J A
Newton Mrs William
Pasco Mrs Theodore
Russell W H
Richardson H L
Smith Chester
Smith Edmund
Smith Enos D
Smith Mrs Enos D
Smith George E
Smith Jeremiah S
Smith 2nd Roswell
Smith 2nd Mrs Roswell
Stockbridge Wilson J
West H C
West Lewis
Wright D A—removed

NOT FARMERS

Adams Mrs Levi
Adams Frank E
Bartlett D H—removed
Bonney Franklin M D
Bonney Oliver E—removed
Clark John
Cooley Mrs S F
Cowles Mrs Elijah—removed
Dickinson E S
Hill Roderic B
House Albert R
Huntington Mrs T P
Lawrence Hubbard—removed
Marsh H M
Marsh T S
Nash Mrs Samuel
Scott Mrs Rufus
Smith Charles H—removed
White David—removed

Wood George—removed

HATFIELD

FARMERS

Dyer L S
Fitch G W—removed
Hubbard I W
Porter H S
Porter J E

HOLYOKE

Dickinson Edward

LEVERETT

FARMERS

Bangs Howard
Boutwell W L
Boutwell Samuel W
Boutwell Mrs Samuel W
Dudley Nathan
Field Abner
Field Charles H
Field Mrs H O
Field Mrs Moses
Frary Cephas
Graves Elmer
Howard Baxter
Ingram Elisha
Leach Chester
Lock Mrs Ezekiel
Porter Cephas
Putnam Mrs Timothy
Rice Mrs Josiah
Smith Mrs Wm H
Thurber C W
Thurber Mrs C W

NOT FARMERS

Clark W W—removed
Dunklee Hezekiah—removed
Field Mrs Alden C
Field Carrie M
Hobart B R
Hobart Charles D
Hobart Colburn
Ingraham Elijah—removed
Leach H S
Leach Mrs H S
Lyman W H
Lyman Mrs W H
Nutting Lucius - removed
Nutting Ransom—removed
Strong Mrs A A
Smead Mrs S S—removed
Wood Ira—removed
Wood Mrs Ira—removed
Woodbury Mrs Jason

NORTHFIELD

Brown Charles T
Brown Mrs Charles T

MONTAGUE

FARMERS

Boutwell W H
Cook H B
Paine Alonzo
Paine Mrs Alonzo
Spaulding Peter Jr
Smith Charles
Shaw Thaxter
Ward W H

NEW BRAINTREE

Childs W A

NEW SALEM

Eastman Mrs David
Haskins Nelson

NEW YORK CITY

Ford Mrs Emily
Harrington Mrs Samuel
Shipman John Jr
West Joseph J

NORTHAMPTON

Chase L A
Childs Paris
Dickinson Geo P
Parsons Charles T
Parsons Samuel L
Ranney David R
Shepard Henry
Strong Ebenezer R

Strong William
Trumbull James R
Trumbull Mrs James R

OTISCO N Y

Clark Luke M

OREGON

Warren James R

PELHAM

Boyden Sanford—removed
Blair L K—removed
Gates Asahel
Jewett Mrs S
Page John A
Presho Dwight
Rankin Mrs A A—removed
Cadwell Mrs Aretus J—removed
Jones Rev John
Russell John—removed
Ward Mrs J G

PALMER

Chapman Mrs Mary
Dodge F M
Field E S
Reed James
Shaw E B
Stever Col Jacob

PHILADELPHIA P A

Arnold W A
Montague Albert
Wilson John W

PRESCOTT

Allen Roswell A
Freeman A W
Johnson L S
Paige F B
Paige James B

PROVIDENCE R I

Leonard D M
Smith Hon J Y

ROCKFORD ILL

Bartlett Mrs Harvey

SOUTHAMPTON

Edwards Elisha

SHUTESBURY

Dudley S F
Dudley Mrs S F
Newell Samuel
Shores David—removed

SOUTH HADLEY

FARMERS

Bates S A
Eastman G R
Eastman Miss E S
DeWitt H B
Judd Edward H
Judd Edwin H
Montague Newton C
Miller S N

NOT FARMERS

Brainard Sylvester
Judd Watson S
Lyman Mrs Lorenzo W
Preston Joseph S
Smith E L
Smith Henry N
Smith Jason
Smith Philip

SUNDERLAND

FARMERS

Batchelder G L
Brown Mrs Sylvester—removed
Beals George N
Burt Joel
Childs Israel
Childs Mrs Israel
Chittenden E D
Chittenden L O
Chittenden Mrs L O
Clark E G—removed
Crocker Daniel B
Crocker Mrs S D
Cooley Geo L

Delano Jesse X
Dickinson Mrs E P
Fish B N
Graves Alden
Graves H D
Graves F H
Graves Mrs Timothy
Gunn Isaac S H
Hobart Mrs Albert
Hubbard Alanson
Hubbard Mrs Alanson
Hubbard Kelita
Hubbard David—removed
Hubbard Mrs David—removed
Hubbard Parker D
Hubbard Mrs P D
Hubbard Mrs M L
Hunt Mrs R—removed
Russell C L
Robinson John R
Sanderson Alvin E
Smith C K
Smith Edward N—removed
Smith Mrs E N—removed
Smith John M
Smith John R
Smith George P
Smith N Austin
Smith Mrs N A
Warner W L
Warner Levi P
Warner Mrs L P
Warner Wallace R—removed
Warner Mrs W R—removed
Williams Mrs F

NOT FARMERS

Bartlett Mrs Dexter—removed
Darling Mrs B C
Field Erastus S
Gaylord William
Graves Miss Hannah
Hubbard Avery D
Pomeroy Wm D—removed
Russell Mrs A N—removed
Russell Austin R—removed
Russell J Wiley—removed
Rowe Appleton E—removed
Rowe Mrs A E—removed
Smith Elihu—removed
Smith Mrs Elihu—removed
Warner Chester
Warner Luther C
Williams Mrs Henry C

SMITHS FERRY

Smith Milo J

SPRINGFIELD

Briggs J L
Chaffee Hon C C
Crouch J S
Hubbard Caleb T
Montague Isaac W

SYRACUSE N Y

Huntington Rt Rev F D, D D

WARE

FARMERS

Andrews W G
Bowen Sylvester
Breckenridge Hon W S
Devens Arthur L
Devens Mrs A L
DeWitt Francis

NOT FARMERS

Gilbert Mrs G H
Phelps Samuel H
Rice Joel
Sage Orrin

WENDELL

Whitaker A G

WESTBORO

White Samuel N
White Mrs Samuel N

WILLIAMSBURG

Bartlett N G
Graves L N

WILMINGTON VT

Smith Mrs N W

WORCESTER

Cummings Rev E A
Cummings Mrs E A
Chamberlain C N, M D

WHATELY

Ludden Parmenus

WEST BROOKFIELD

Aiken Benjamin P

ADDED IN 1882.

Mrs E A Davis Amherst
William A Kellogg Amherst
Daniel K Wilson Belchertown
Mrs M E Merchant Amherst
Wm H Smith Amherst
George E Smith, Hadley
George P Smith Sunderland
James B Paige Prescott
John A Page Pelham
Alvin E Sanderson Sunderland
Dr J J Vincent Amherst
Mrs Mary E R Clark Amherst

ADDED IN 1883.

C C Montague Amherst
W Wilbur Amherst
W A Reed Shutesbury
E N Fisher Belchertown
B F Dewitt Granby
Frank E Paige Amherst
Josiah Cook Hadley
Miss Lizzie Ball Amherst
Rufus M Smith Hadley
E D Marsh Amherst
Palmer Bros Huntington
Rufus A Cook Hadley
Miss Hattie J King Amherst
Frank A King Amherst
Thomas Smith Belchertown
R G Williams Amherst
F F Adams Leverett
H A Parsons Amherst

ADDED IN 1884.

B F Kellogg Amherst
E F Wiley Sunderland
George H B Green Belchertown
Mrs J C Dillon Amherst
H F Williams South Deerfield
William L Hubbard Sunderland
Francis Clapp South Deerfield
Mrs Levi Stockbridge Amherst
Mrs E J Leach Amherst
D L Viaria Hadley
Ruth Demming Savoy

ADDED IN 1885.

Arthur E Magill Amherst
C C Burt Easthampton
James M Fales Pelham
H L Coe Amherst

ADDED IN 1886.

F E Loomis Amherst
John C Hammond Northampton
Miss Mary E Cook Amherst
R H Fitts Shutesbury
E S Moore Hadley
Henry Bishop Amherst
W C Stoughton Montague
J A Sullivan Northampton
Mrs E S Moore Hadley
Alden Wilder Sunderland
George Cutler Jr. Amherst
Henry Tillson Sunderland
Parnell Munson Amherst
Hollis C Graves South Deerfield
Mrs T L Paige Amherst
D H Tillson Amherst
R M Horton Hadley
J A Porter Hatfield

ADDED IN 1887.

E P Bartlett Pelham
James B Brannan Pelham
T L Paige Amherst
Charles P Jewett Pelham
W B Jackson Amherst
Henry E Alvord Amherst
William D Crocker Sunderland
F E Melendy Hatfield
Frank A Cadwell Amherst

ADDED IN 1888.

A F Nutting Amherst
Henry W Owen Amherst
F P Newkirk Easthampton
E E Wood Northampton
Charles Kellogg Amherst
Miss Lucy C Boice Amherst
Calvin R Shattuck North Hadley
W F Williams Amherst

ADDED IN 1889.

Henry Ramsdell Pelham
Mrs Clara Kellogg Amherst
E S Warner Hatfield
F Laframboise Northampton
Charles W Green Hadley
A L Hubbard Sunderland
C K Childs Conway
Joseph C West Hadley
Thomas I West Hadley
Edward P West Hadley
Melrose S Paige Amherst
E B Dickinson Amherst
Sarah E Fisher Ludlow
Everett C Howard Belchertown

ADDED IN 1890.

Henry C Nash Jr Amherst
Silas E Jay Hadley
Ida M Jay Hadley
Abbie L Greene Amherst
Lessie A Wrigley Amherst
Fred J Humphrey Amherst
Mrs C F Morehouse Amherst
Harry Scott Hadley
Edward J Stone Amherst
Mrs E T Sabin Amherst
Mrs Herbert Sabin Amherst
Mrs Henry C Nash Jr Amherst
William K Nash Amherst
Mrs L S Wilber Amherst
Alfred E Ray Amherst

ADDED IN 1891.

Mrs F E Loomis Amherst
Mrs Wm Kellogg Amherst
Alice E Smith Amherst
Mrs W H Comins Hadley
John McQueston Hadley
Charles W Hastings Amherst
Loren A Shaw Amherst
C L Randall, Belchertown
Mrs C L Randall Belchertown
C E Stebbins South Deerfield
J W Kellogg Amherst
Fred S Cooley Amherst
W S Clark Granby

ADDED IN 1892.

W P Brooks Amherst
J R Gould Belchertown
Henry Adams Amherst
James F Page Amherst
John M Walsh Sunderland
Frank P Toole Amherst
J N Dillon Belchertown
A E Ayer Belchertown
T W Buckley Amherst
John Mullen Amherst
Mrs C E Stebbins Deerfield
Mrs Geo E Fisher Amherst
George G Graves Amherst
A E Pierce Hadley
J G Bosworth Easthampton
R Putnam Leverett
A W Root Deerfield

FORTY-FOURTH ANNUAL REPORT.

TRANSACTIONS

OF THE

HAMPSHIRE AGRICULTURAL SOCIETY,

FOR THE YEAR 1893.

AMHERST, MASS.:
PRESS OF CARPENTER & MOREHOUSE.
1893.

OFFICERS FOR 1893.

PRESIDENT,

Wm. P. BROOKS,	- - - -	Amherst.

VICE-PRESIDENT,

Geo. P. SMITH,	- - - -	Sunderland.

SECRETARY,

H. C. NASH, Jr.,	- - - -	Amherst.

TREASURER,

H. C. NASH, Jr.,	- - - -	Amherst.

EXECUTIVE COMMITTEE.

W. A. MAGILL,	- - - -	Amherst.
E. P. BARTLETT,	- - - -	Pelham.
W. H. COMINS,	- - - -	Hadley.
E. D. CHITTENDEN,	- - - -	Sunderland.
L. W. DILLON,	- - - - -	Belchertown.

DELEGATE.

L. W. WEST,	- - - - -	Hadley.

LIST OF PREMIUMS AWARDED.

Class 1—Town Teams.

Town of Hadley,	$20 00
" " Pelham,	15 00

Class 2—Fancy Cattle.

James Fales, Pelham,	5 00
O. A. Moore & Son, Hadley,	3 00
Chester Smith, "	2 00

Class 3—Working Oxen.

L. W. West, Hadley,	5 00
Chester Smith, "	4 00
Edmund Smith, "	3 00
Chester Smith, "	2 00

Class 4—Steers.

A. Robinson, Pelham,	5 00

Class 5—Milch Cows.

H. W. Owen, Amherst, Jersey,	4 00
" " " "	3 00
" " " "	2 00
" " " Grade Jersey,	4 00
" " " " "	3 00
" " " " "	2 00
" " " " "	1 00
John McQueston, Hadley, Grade Holstein,	3 00
H. E. Wallis, Holland, Devon,	4 00
" " " "	3 00
" " " "	2 00

Class 6—Herds of Milch Cows.

H. E. Wallis, Holland, Pure Devon,	5 00
H. W. Owen, Amherst, " Jersey,	5 00
John McQueston, Hadley, Holstein,	4 00

Class 7—Heifers.

H. E. Wallis, Holland, 2-years-old, Pure Bred,	3 00
" " " " "	2 00
" " " " "	1 00
H. W. Owen, Amherst, " Grade,	3 00
" " " " "	2 00
Melrose Paige, " " "	3 00
H. E. Wallis, Holland, 1-year-old, Pure,	2 00
" " " " "	1 00
H. W. Owen, Amherst, " "	2 00
John McQueston, Hadley, Grade,	1 00
" " " "	1 00

Class 8—Bulls.

H. W. Owen, Amherst, Jersey,	4 00
G. W. Fitch, " "	2 00
H. E. Wallis, Holland, Devon,	4 00
" " " "	2 00
John McQueston, Hadley, Holstein,	4 00
" " " Guernsey,	4 00

Class 9—Calves.

H. E. Wallis, Holland, Bull,	2 00
" " " "	1 00
" " " Heifer,	2 00
" " " "	1 00
John McQueston, Hadley.	2 00
" " "	2 00
" " "	1 00

Class 10—Milk Test.

J. W. Allen, Amherst,	12 00
E. A. King, "	8 00
" " "	4 00

Class 11—Swine.

F. O. Williams, Sunderland, Boar,	4 00
" " " Weaned Pigs,	4 00
Edmund Smith, Hadley, Sow and Pigs,	4 00

Class 12—Sheep.

J. W. Clark, Hadley, 8 Ewes,	4 00
" " " 8 Lambs,	3 00
L. W. West, Hadley, Buck,	3 00
" " " "	3 00
" " " 25 Sheep,	6 00
" " " 8 Ewes,	3 00
" " " 8 Lambs,	4 00
John McQueston, Hadley, Buck,	4 00
" " " 25 Ewes,	3 00
" " " 8 Lambs,	2 00

Class 13—Poultry.

George Senna, Deerfield, Game,	2 00
" " " "	1 00
George G. Graves, Amherst, Plymouth Rocks,	2 00
E. N. Fisher, Ludlow, Brahmas,	2 00
" " " Wyandottes,	2 00
" " " Hamburgs,	2 00
" " " White Leghorns,	1 00
" " " Brown "	2 00
" " " Ducks,	2 00
" " " W. Plymouth Rocks,	1 00
" " " Game,	1 00
" " " Bantams,	2 00
A. D. Norcross, Monson, Buff Cochins,	2 00
" " " " "	1 00

Class 14—Agricultural Implements. No Entries.

Class 14½—Mechanic Arts.

A. F. Bardwell, Amherst, White Sewing Machine, Diploma.

Class 15—Mercantile Goods.

E. D. Marsh, Amherst,	8 00
Kellogg & Stebbins, Amherst,	6 00
James Page, "	4 00

Class 16—Domestic and Other Manufactures.

Mrs. Noah Dickinson, Amherst, Rug,	50
Miss F. Russell, Sunderland, Counterpane,	1 00
" M. C. Leonard, Amherst, Rug,	50
" J. C. Reed, " Bedquilt,	50

Class 17—Fancy Articles.

Mabel Morse, Amherst,	75
Lessie Wrigley, " Lace,	50
Mrs. John " " Apron,	75
" Levi Moulton, " Tray,	50
" F. B. Dickinson, Amherst, Tidy,	50
" C. F. Morehouse, " Apron,	1 75
Miss Jennie Cowles, " " Lace,	1 75
" J. C. Reed, " "	1 75
Mrs Mary Clark, Spread, Gratuity,	50

Class 18—Fine Arts.

Tom. Charmbury, Amherst, Fruit,	50
A. S. Gray, " Marine,	50
May Dickinson, " Plaque,	25
Mrs. C. F. Morehouse, Amherst, Marine,	75
" " " " Landscape,	50
" E. G. Thayer, " Moonlight,	75
" " " " Roses,	50
M. F. Keefe, " Collection,	2 00
Mrs. C. F. Morehouse, " "	1 00
" E. G. Thayer, " "	50

Class 19—Bread, Butter, Cheese.

Mrs. C. E. Stebbins, Deerfield, Wheat,	2 00
Diantha Moody, Amherst, "	1 00
Mrs. T. L. Paige, " Rye,	2 00
Mrs. C. E. Stebbins, Deerfield, "	1 00

Miss Naka Shimidgee, Amherst, Graham,	2 00
Mrs. Diantha Moody, " "	1 00
" T. L. Paige, " "	1 00
" " " " Rye and Indian,	2 00
W. L. Boutwell, Leverett, Butter,	3 00
C. L. Randall, Belchertown, Cheese,	3 00
" " " "	2 00
Naka Shimidgee, Amherst, Biscuit, Gratuity,	1 50

Class 20—Honey, Wines, Canned and Dried Fruits, Jellies, Pickles, Maple Syrup and Sugar.

Mrs. John Wrigley, Amherst, Dried Apples,	50
Mrs. C. E. Stebbins, Deerfield, Collection Peaches, Pears and Cherries,	1 00
Mrs. C. E. Stebbins, Deerfield, Maple Syrup,	50
" " " " Sugar,	50
E. N. Fisher, Ludlow, Honey,	1 50
Mrs. L. W. West, Hadley, Canned Fruit, 18 varieties,	2 00
" " " " Jellies,	1 00

Classes 21 and 22—Fruit and Fruits Grown by Exhibitor.

D. H. Tillson, Amherst, Collection Quinces,	1 00
J. W. Clark, Hadley, " Peaches,	4 00
Mrs. L. W. West, Hadley, " Apples,	2 00
" " " " plate Greenings,	50
J. W. Clark, " " Baldwins,	50
" " " " Russetts,	50
Henry Tillson, Sunderland, Collection Apples,	1 00
L. W. Goodell, Belchertown, " Figs, (gratuity)	50
G. L. Cooley, Sunderland, " Apples,	4 00
" " " plate Gravenstein,	50
W. L. Boutwell, Leverett, Basket Fruit,	3 00
Mrs. S. W. Boutwell, " " "	2 00
A. B. Howard, Belchertown, Collection Apples,	3 00
" " " " Pears,	4 00
" " " " Peaches,	3 00
" " " " Display,	4 00

Class 23—Vegetables.

J. W. Allen, Amherst, Cabbages,	2 00
" " " Peck Beans,	50
" " " Hubbard Squash,	50
W. P. Brooks, " Cauliflowers,	50
" " " Celery,	50
" " " Sweet Corn,	1 00
C. E. Stebbins, Deerfield, Winter Wheat,	50
" " " Spring "	1 00
" " " Rye,	50
" " " Oats,	50
James Comins, Hadley, Winter Wheat,	1 00
" " " " Rye,	1 00
" " " Pumpkins,	1 00
E. M. Fisher, Sunderland, Onions,	50
P.D. Hubbard, " Potatoes,	1 00
L.W. West, Hadley, Tomatoes,	50
C. H. Kellogg, Amherst, Potatoes,	50
Henry Tillson, Sunderland, Exhibit Potatoes,	1 00
C. E. Stebbins, Deerfield, Barley,	50
C. L. Randall, Belchertown, Beans,	1 00
E. N. Fisher, Ludlow, Oats,	1 00
W. L. Boutwell, Leverett, Collection Vegetables, 30 varieties,	10 00
" " " Potatoes,	2 00
" " " Exhibit Seed Corn,	2 00
" " " " Sweet "	2 00
" " " " Squashes,	2 00
" " " " Cabbage,	2 00
E. A. Moffitt, Hadley, Onions,	1 00
G. L. Cooley, Sunderland, Squashes,	1 00
" " " Pumpkins,	50
A. B. Howard, Belchertown, Tomatoes,	1 00

Class 24—Flowers.

E. C. Parker, Amherst, Gladioli,	1 00
E. J. Comins, " Bouquet,	1 00
M. B. Kingman, Amherst, " Flowers,	1 00
" " " " Roses,	3 00
E. A. Moffitt, Hadley, Wild Flowers,	1 00

Mrs. S. W. Boutwell, Leverett, Collection,	3 00
" " " " Wild Flowers,	2 00
" " " " Dahlias,	1 00
" " " " Asters,	1 00
" " " " Bouquet,	2 00
L. W. Goodell, Belchertown, Collection Asters,	2 00
" " " " Dahlias,	2 00
" " " " Verbenas,	1 00
" " " " Gladioli,	2 00
A. B. Howard, Belchertown, Collection,	2 00
" " " Verbenas,	2 00
" " " Petunias,	2 00
L. W. Goodell, " Collection,	5 00

Class 25—Stallions.

John McQueston, Hadley,	6 00
F. W. Warner, Southampton,	4 00
J. P. Casey, Holyoke,	3 00
D. J. Wright, Northampton, Draft,	6 00

Class 26—Breeding Mares with Sucking Colts.

T. L. Conant, Hadley, Non-Standard,	5 00
C. W. Hastings, Amherst, "	4 00
O. Cowles, Deerfield, "	3 00
P. D. Hubbard, Sunderland, Standard,	5 00
T. F. Ryan, Amherst, "	4 00
T. L. Conant, Hadley, "	3 00

Class 27—Colts and Fillies.

E. J. Clark, Amherst, Non-Standard Filly, three-years,	3 00
P. D. Hubbard, Sunderland, Standard Stallion, three-years,	3 00
James Comins, Hadley, Draft, Gelding, three-years,	3 00
E. M. Fisher, Sunderland, Non-Standard Gelding, two-years,	3 00
C. W. Hastings, Amherst, Standard Filly, two-years,	3 00
P. D. Hubbard, Sunderland, Standard Filly, one-year,	3 00
C. W. Hastings, Amherst, Standard Gelding, one-year,	3 00
John Walsh, Sunderland, Non-Standard Filly, one-year,	3 00
D. H. Tillson, Amherst, " " one-year,	2 00

Class 28—Farm Horses.

C. L. Randall, Belchertown,	Single,	3 00
H. L. Cowles, Hadley,	"	2 00
C. W. Thurber, Leverett,	Pairs,	4 00
C. L. Randall, Belchertown,	"	3 00

Class 30—Carriage Horses.

C. P. Aldrich, Deerfield,	Single,	5 00
E. F. Wiley, Sunderland,	"	4 00
F. C. Haynes, Easthampton,	"	3 00
John Walsh, Sunderland,	"	2 00
E. O. Williams, Montague,	Pairs,	4 00
Martin Lyons, Hatfield,	"	2 00

Class 31—Roadsters.

Thomas Buffum, Easthampton,	Single,	6 00
B. F. Howard, Sunderland,	"	4 00
W. J. Ross, Hatfield,	"	2 00
E. O. Williams, Montague,	Pairs,	4 00
J. E. Clark, Northampton,	"	2 00

Field Crops.

James Comins, Hadley,	Acre Corn,	5 00
L. W. West, " "	"	4 00
" " " "	"	2 00
James Comins, " "	Potatoes,	5 00
F. O. Williams, Sunderland,	Onions,	5 00
G. L. Comins, Hadley,	"	4 00

Reports.

F. S. Cooley, Amherst,	4 00
" " "	3 00
Mass. Agr'l College, Gratuity for display,	40 00

Stake Race, Foals of 1892.

E. D. Chittenden,	Feleta,	1st,	50 00
C. W. Hastings,	Jack Downs,	2nd,	25 00
F. P. Toole,	Addie H.,	3rd,	15 00

Stake Race, Foals of 1891.

E. D. Chittenden,	Lady Chance,	1st,	80 00
F. D. Deuel,	Fleurmont,	2nd,	40 00
A. H. Graves,	Gypsy Boy,	3rd,	20 00
T. F. Ryan,	Gov. McKinley,	4th,	20 00

Stake Race, Foals of 1890.

F. H. Graves,	Achsah,	1st,	62 50
P. D. Hubbard,	Parker D.,	2nd,	31 25
A. H. Graves,	Advance,	3rd,	18 75
F. P. Toole,	Ben Wilkes,	4th,	12 50

Road Wagon Race.

George Lawrence,	Ben F.,	1st,	Harness
Frank Wood,	Spot,	2nd,	Blanket
E. O. Williams,	Billy H.	3rd,	Whip

Trotting Races.

3-00 Minute Class, Purse $100.

G. W. Rice,	Gold Bar,	1st,	50 00
C. D. Whittaker,	Gypsy Boy,	2nd,	25 00
George Mandall,	China Maid,	3rd,	15 00
E. M. Spaulding,	Billy Clay,	4th,	10 00

2-37 Class, Purse $100.

A. H. Graves,	Nettie L.,	1st,	50 00
H. E. Newton,	Eli,	2nd,	25 00
F. L. Sturtevant,	Osbuy,	3rd,	15 00
George A. Lawrence,	Ben F.,	4th,	10 00

NEW MEMBERS, 1893.

Edwin M. Fisher, Sunderland,
Fred W. Warner, Southampton,
Rose McQueston, Hadley,
Thomas F. Ryan, Amherst,
H. E. Wallis, Holland,
F. O. Williams, Sunderland,
B. F. Howard, Sunderland,
Edward O. Williams, Montague,
T. L. Conant, Sunderland,
Mrs. C. M. Conant, Sunderland.

TREASURER'S REPORT.

Henry C. Nash, Jr., Treasurer, in account with the Hampshire Agricultural Society:

1893.	*Dr.*	
To cash on hand,	$ 51	
" Savings Bank loan,	75 00	
" Rental of grounds July 4th,	58 92	
" Gate,	475 90	
" Pedlars and rents,	73 00	
" Entries,	350 00	
" Advertisers,	10 00	
" State Treasurer,	600 00	
" Rental of grounds Oct. 7th,	25 00	
" Life members,	45 00	
" Mass. Agr'l College, tickets,	40 00	
" Donation Society,	109 75	
" Error bank account,	14 22	
		$1877 30

	Cr.
By paid Savings Bank interest,	22 75
" Carpenter & Morehouse's bill,	43 00
" Postage,	4 00
" Telegram and express,	50
" E. T. Sabin & Son's bill,	6 60
" T. T. Sisson's bill,	30 00
" Thomas & Hawley's bill,	28 00
" 3.00 minute class,	100 00
" 2.37 class,	100 00
" Three-year colt race,	125 00

"	Two-year colt race,	160 00	
"	One-year colt race,	90 00	
"	Carpenter & Morehouse's bill,	60 05	
"	C. A. Ballou's bill,	10 00	
"	E. L. Bartlett's bill,	10 00	
"	R. W. Stratton's bill,	5 00	
"	Peter Surprenant's bill,	6 00	
"	L. E. Goessmann's bill,	2 00	
"	St. Joseph Band,	35 00	
"	Savings Bank Interest,	24 63	
"	H. C. Nash, Jr., Secretary and Treasurer,	75 00	
"	James Wiley's bill,	16 99	
"	D. J. Wright's bill,	2 00	
"	Haskins & Bosworth's bill,	3 35	
"	E. C. Parker's bill,	3 00	
"	E. A. King's bill,	19 00	
"	E. D. Baker's bill,	10 00	
"	Prizes, wagon race,	20 75	
"	G. E. Thayer's bill,	2 00	
"	O. D. Hunt, insurance,	50 00	
"	Repairing track October 1st,	5 00	
"	Dinner tickets,	18 00	
"	G. M. Chamberlain's bill,	6 50	
"	M. N. Spear's bill,	2 12	
"	Premiums,	658 50	
	Cash on hand,	122 56	
			$1877 30

LIABILITIES.

Notes at Amherst Savings Bank,		$825 00	
Interest on same Jan. 1, '94,		24 75	
Printing Reports and call,		25 00	
Bill for Fence,		243 00	
			1117 75
Cash on hand,			122 56
Net liabilities,			$995 19

AUDITOR'S REPORT.

AMHERST, MASS., DEC. 23rd, 1893.

This is to certify that I have this day examined the vouchers and accounts of Henry C. Nash, Jr., treasurer of the Hampshire Agricultural Society, and find them correct, the payments accompanied by proper vouchers, with balance of cash in the treasury of one hundred and twenty-two and $\frac{56}{100}$ dollars ($122.56.).

E. D. BANGS, Auditor.

REPORTS.

REPORT OF JUDGE ON SHEEP EXHIBIT.

The exhibit of sheep at your recent Fair was remarkably good, both in point of numbers and of excellence. I think in comparing this with past years, and considering the depression in wool and consequently in all products of the sheep industry, that your society is to be congratulated on the interest awakened among sheep owners of the vicinity. The accommodations were more than full, and the quality of the exhibits was better than any I have ever seen at Amherst. Including the valuable flock of Southdowns from the Massachusetts Agricultural College, which did not compete for premiums, there were about 125 sheep shown, representing the Southdown, Hampshire-down and Shropshire-down breeds.

The Southdowns led in numbers, though the largest flock, owned by Mr. L. W. West of Hadley, was one of Hampshire-downs. Prof. J. W. Clark of North Hadley showed some exceptionally fine Shropshires, the latter being directly from imported stock, and they bespeak Prof. Clark's skill in selecting and good judgment in breeding this class of farm animals. Mention must also be made of a ram owned and exhibited by Mr. J. McQuestion of Hadley. Such an animal is seldom seen at our small county fairs, nor, in fact very often seen at all, and it is a real pleasure to the lover of fine stock to look at such an animal.

The sheep industry seems to be at a rather low ebb at present throughout the country, and it is not strange if farmers do not maintain their flock under the existing circumstances, but the old maxim says "It's safe to plant cheap seed," and it is very reasonable for New England sheep breeders to expect better times ere long. When properly managed, there is almost no branch of the livestock industry so certain of fair profits as the breeding and feeding of sheep. The markets are seldom closed to wool at fair prices, and the raising and feeding of early lambs is a certain source of income to the farmer and that at a time when there is comparatively little else to turn into money. Moreover, sheep require little care as compared with dairy

cows, or most other neat stock, and hence the expense for labor, which so rapidly eats up the profit in dairying, is little felt by the farmers who direct their attention to sheep. The fodder articles required in sheep raising are also very favorable to the business as compared with feeding other farm animals. In summer sheep will thrive on pasturage that would barely keep cattle alive, sheep eating with relish weeds and many forms of herbage that cows refuse to eat. This has the double advantage of supporting valuable farm livestock, and destroying noxious weeds that are very detrimental to farming operations. I have seen the white daisy, the poison-ivy and other weeds destroyed by pasturing sheep on the land where they grow. Does it not appear that the keeping of more sheep will be to the decided advantage of the farmers in New England, to improve their pastures, to curtail their outlay for labor, and to lengthen their bank account.

The Hampshire Agricultural Society is certainly doing a good work in interesting farmers in this important branch of husbandry.

Respectfully submitted,

F. S. Cooley, Committee on sheep.

REPORT OF JUDGE ON SWINE.

In submitting the report on the swine exhibit at the last September fair there is very little that can be said of the animals on exhibition, except to deplore the smallness of their number. There were awards enough to pay for showing forty or fifty animals, yet only half a score completed there being one entry in each of three classes.

The lack of swine at your fair was not due to any depression in the business, nor to the scarcity of this class of livestock in the section. How to awaken an interest in this department of our annual fair should be one of the problems for the society to solve. The object of the society is to encourage and educate farmers, and by showing them what has been done, to stimulate them to still greater efforts in all branches of their vocation. With pork products as high as they usually are, especially for the last two years, where can we find a better opportunity for making improvements pay? Why despise the prosaic hog when his carcass is worth eight cents a pound in any market? It is well known that it costs less to produce a pound of pork than a pound of any other meat, yet at present it sells for more than one and one half times as much as beef.

One thing noticeable in the swine exhibits at the Amherst fair was the absence of any proof of pure breeding. Do farmers neglect to get the best blood in breeding other classes of animals? Surely he is a careless breeder who does not strive to improve each generation over the preceding one, yet the hog seems to be neglected, and left to make his appearance as it happens without regard to developing those parts which are valuable, or lessening parts that are worth less.

The Hampshire Agricultural Society has an opportunity of doing the agricultural community a great service by stimulating farmers to improve their swine, and the annual fair would have a greatly added interest if the exhibit of this class of farm animals could be made what it should be. I can see no better way to accomplish this than through the winter meetings of the society. Other subjects have been given the time of many gatherings, but it has been a long time since the interests of our pork producers have been discussed. Would it not be worth while to devote a part at least of one of our meetings this winter to the breeding and feeding of swine?

Respectfully submitted,

F. S. Cooley, Committee on swine.

REPORT OF THE COMMITTEE ON FIELD CROPS.

CORN.

To the Committee of the Hampshire Agricultural Society:

(Acre No 1.)

This piece of corn entered for premium grew on a light sandy soil which had not been fertilized for a few years and produced last year a light crop of hay. It was ploughed about 6 inches deep in the spring, fertilized with 15 loads of barnyard manure and 300 lbs. of special grain fertilizer to the acre. The fertilizer was put in the hill. For a few years I have added muriate or sulphate of potash to all commercial fertilizers I used for corn and of the 300 lbs. of grain grower used for this acre from 50 to 75 lbs. was sulphate of potash.

The rod you selected was husked Oct. 13th, weighing 41 lbs. There was no soft corn, but the whole piece suffered from dry weather. Allowing 70 lbs. to the bushel we have

93.91 bushels of corn at .55	$51.65
2½ tons stover at $6.	15.00
	———$66.65

Cost of growing	
$\frac{1}{3}$ manure to crop	$22.00
Balance for crop	$44.65

(Acre No. 2.)

This acre of corn was raised on rather heavy loam, plowed in the fall of 1892, fertilized and cultivated the same as acre No. 1.

Your selected rod husked Oct. 13th weighed 38 lbs. Had no soft corn.

86.85 bushels per acre at .55	$47.77	
$2\frac{1}{4}$ tons stover at $6.	13.50	
		$61.27
Cost of growing		
$\frac{1}{3}$ manure to crop		23.00
Balance in favor of crop		$38.27

L. W. West.

A report on one acre of corn produced by the subscriber.

The acre of corn which I entered for premium was grown on sandy loam, soil moderately heavy. It has produced a crop of corn once in four years for the last fifty years in a system of rotation. Some of the time it has been considerably reduced in fertility but of late it has fared better, being supplied with barnyard manure and ashes for the corn crop. It was sown with rye and seeded to grass in the rotation and produced two good crops of hay; consequently there was a very good turf. There was applied five cords of coarse barnyard manure plowed in with the turf in April last. About the 20th of May it was harrowed and marked three feet and a half between the rows. 600 lbs of Bradley's fertilizer was applied to the rows. The planting was done with a Billings corn planter which drops the hills four feet apart. The corn came up well and was cultivated and hoed twice, and the weeds were cut in August. The acre produced on the average rod selected by your committee 40 lbs. of ears, husked the 20th of October. This would make 6,400 lbs. per acre, divided by 70 makes $91\frac{3}{7}$ bushels per acre. The corn was a twelve rowed variety, very close deep kernels, and was found by former trials, to shrink only about 12 to 15 per cent. while some other varieties shrink nearly 25 to 30 per cent. The cost and profit on the crop appears as follows:

	Cr.	
By 87 bushels dried corn at 60 cts.,	$52.20	
By 4 tons corn fodder at $5 per ton,	20.00	
Improvement in soil for future crops,	12.50	
Total income,		$84.70
	Dr.	
Interest and taxes on land,	$4.00	
Manure and fertilizer applied,	35.00	
Plowing, harrowing and marking,	3.00	
Cultivating and hoeing,	4.00	
Cutting and husking,	11.00	
Total cost,		$57.00
Profit,		$27.70

You will see by the above that farmers can get pay for their work and some profit if they make thorough work and raise a good crop.

JAMES COMINS.

POTATOES.

A report on the half acre of potatoes I entered for the society premium.

The soil on which this crop grew was of sandy loam, quite heavy and wet with surface water early in the season. It had never been planted with any hoed crop. It has been plowed and seeded with grass and top-dressed for hay many times within the last forty years. I conceived the idea that by planting it with potatoes and manuring liberal three years in succession I could overcome the tendency to produce wild grass and polypod brake and improve the soil. The land was plowed in the fall and the manure applied at the rate of five cords per acre from the hog-pen. It was spread and harrowed in in the fall of 1892. The land was so wet that I could not plant until the 25th of May. It was then harrowed and marked in rows three feet apart. We applied ashes in the row at the rate of one ton per acre. Then with the ashes in the row was applied Bradley's potato fertilizer at the rate of six hundred pounds to the acre. It was planted with halves of potatoes dropped fifteen inches apart in the rows. The variety was known as Snowflake. The result was as fol-

lows: The selected rod produced one hundred and thirty pounds, being at the rate of 346⅔ bushels per acre.

	Cr.	
160 bushels good market potatoes,	$96.00	
26⅔ bushels small potatoes,	6.50	
Total income from half acre,		$102.50
	Dr.	
Land and taxes,	$1.50	
Plowing and harrowing,	2.00	
Manure, ashes and fertilizer,	23.50	
Labor of planting and hoeing,	6.00	
Seed potatoes and Paris green,	3.50	
Total cost of half acre,		$36.50
Income above cost,		66.00

The cost of digging and marketing is paid by the improvement in the land by fertilizing and work.

JAMES COMINS.

ONIONS.

DEAR SIR: At your request I will make a report of the half acre of onions entered for premiums.

On this half acre of light sandy loam I used 1500 lbs. Bradley's Onion Fertilizer, all spread on broadcast and harrowed in. This land has been planted to onions for several years before with good yield. This year I had 289 bushels, or 279 bushels of large onions and 10 bushels of small onions. If any more information is wanted please address

G. L. COMINS.

Report of onions raised by F. O. Williams, Sunderland.

The acre of onions entered for premium grew on turf land that was plowed in November, 1892. The soil is rather a heavy loam. Barnyard manure was applied in the winter at the rate of eighteen loads per acre valued at $27, also 300 lbs. "E. Frank Coe's Fertilizer"

on one-half of field and 300 lbs. "Cotton Seed Meal" on the other half, applied in the spring. The land was well wheel-harrowed and seed bed made smooth and planted April 29th in drills 14 inches apart. The crop was kept entirely free from weeds. Sept. 15th your committee selected a rod, which was pulled and cut. Oct. 2nd they were weighed with the following results:

Total weight of rod,	260 lbs.	
Small onions,	13 lbs.	
Total weight per acre,	41600 lbs. or 800 bushels.	
Large onions at 45 cts. per bushel,	$352.12	
Small onions at 25 cts. per bushel,	4.38	
Total,		$356.50
Cost of cultivation,	$65.00	
Cost of manure,	27.00	
Cost of fertilizer,	9.50	
Cost of seed,	9.00	
Total,		$110.50
Balance in favor of crop,		$246.00

REPORT OF MILK TEST.

The analysis of the milk was made by the State Experiment Station, the apparatus employed being the Babcock milk-tester, a thoroughly accurate and reliable method. Following is a tabular statement of the results:

A. M.	Cow No. 1.	Cow No. 2.	Cow No. 3.
Yield of milk (pounds),	11¾	14¼	8½
Per cent. fat in milk,	4.50	3.40	5.30
Pounds " " "	.5287	.4845	.4505
P. M.			
Yield of milk (pounds),	10½	13½	7¼
Per cent. fat in milk,	5.40	3.40	5.40
Pounds " " "	.5670	.4590	.3915
Pounds fat in total milk,	1.0957	.9435	.8412
Points won,	109.57	94.35	84.12
Last calf dropped,	Sept.12,'93	Sept.12,'93	Sept.13,'92

Cow No. 1 is owned by J. W. Allen, Amherst, Mass.

Cows No. 2 and No. 3 are owned by Mr. King, Amherst, Mass.

F. L. Arnold, Analyst.

FORTY-FIFTH ANNUAL REPORT.

TRANSACTIONS

OF THE

HAMPSHIRE AGRICULTURAL SOCIETY,

FOR THE YEAR 1894.

AMHERST, MASS.:
PRESS OF CARPENTER & MOREHOUSE,
1894.

OFFICERS FOR 1894.

PRESIDENT,

Wm. P. BROOKS,	Amherst.

VICE-PRESIDENT,

Geo. P. SMITH,	Sunderland.

SECRETARY,

J. W. KELLOGG,	Amherst.

TREASURER,

J. W. KELLOGG,	Amherst.

EXECUTIVE COMMITTEE,

E. P. BARTLETT,	Pelham.
F. O. CURTIS,	Amherst.
W. H. COMINS,	North Hadley.
E. D. CHITTENDEN,	Sunderland.
G. H. B. GREEN,	Belchertown.
B. C. FIELD,	Leverett.

DELEGATE,

L. W. WEST,	Hadley.

SECRETARY'S REPORT.

September 25 and 26, the days on which our fair was held, were so very near perfect that no one was heard to complain. Early in the morning of the 25th the road leading to the park was filled with cattle, sheep, swine and poultry. Wagons loaded with produce for the Hall were hurrying to get the first place at the door. The exhibit in the Hall was pronounced by far the best the society has had in years. A noteworthy exhibit in the Hall was the display of musical goods and musical talent rendered by Taylor music house of Springfield. They not only made a grand exhibit of the Haynes Piano and Esty Organ but gratuitously furnished music during the two days, and gave 2000 pieces of sheet music to the lookers on. Mr. E. D. Marsh, the local furniture dealer, rather out classed all competitors with his most elegant display of furniture draperies—fancy pieces so new in pattern and design that some of Amherst people were heard to ask "What is that? Is'nt it lovely?" O. G. Couch & Son showed to the public that when in want of a choice dinner set, lamp, or dainty bit of crockery there was no better stock to select from than at the old stand. J. F. Page, T. W. Sloan, Henry Adams, Kellogg & Stebbins all made displays that are a credit to any society. The display of fruits considering the very unfavorable season was very good.

The display of vegetables was fully up to the standard. The Board of officers should give thanks to the Mass. Agricultural College for their prominent part in this line. They furnish to the farmer an exhibition of fruits and vegetables that by an endless amount of experimenting have been brought up to a standard that makes them second to none in this country. Thus the farmer may profit by these experiments at the expense of the state. Next would come the poultry exhibit which was larger this year than ever before, there being about seventy-five entries in this class. Here the secretary would suggest that this department have much more attention,

that a committee be appointed to take it in charge, also that suitable quarters be furnished in which to exhibit the poultry, that the premium list be revised so as to include any breed that one should happen to have on exhibit, also to include in this class pets of all kinds, pigeons, rabbits, etc. By so doing the secretary thinks new interest may be awakened that might be of great benefit to the society. As in point of interest next to the Horse Show comes the poultry which can be held during the winter months, many times proving a financial success.

The exhibition of cattle while not the largest ever made was of a very good quality. Farmers that take an interest in the society always find that it pays to take their stock out for one day, and it all helps to make our annual Cattle Show what the name calls for. The exhibit of sheep and swine was as good as usual, and here again in this department there must be a better place prepared for the stock, that is suitable pens made and secure posts to which to tie the cattle. The following are recommendations made by Prof. F. S. Cooley of the Mass. Agr'l College, who acted ably as expert judge on cattle, sheep and swine to the satisfaction of all interested.

First, that new entry books be had which shall have pages large enough to hold the entries of one class each systematized, so as to present the numerous blunders and mistakes of entering and judging. Second, there should be two or three show rings in which the various classes of animals may be compared. This would not only make judging faster and easier but also more satisfactory to competitors in that comparison would be more accurate.

The secretary fully agrees with Prof. Cooley and thinks that at a very small expenditure these changes could be made. We must keep in mind the interests of our farmers. They are the life and strength of the society. The condition of the Hall and what best to do with it has been a matter of no little importance to the officers this year. It was found necessary to shingle it at once, which has been done, with re-nailing the clapboards and other repairs to the extent of about $300.

The second floor of this building seems to be of very little use to the society. Why would it not be wise to devote this floor to our fast growing poultry department, thus enabling exhibitors to bring their fowls early and let them remain during the two days?

The Horse Show the 26th was a grand success, in fact much in lead of anything had on the grounds for some years, many very

finely bred young horses being entered. Here again it was found very troublesome to judge the colts no suitable place in which to show them being available. It was found that there were colts so closely bred that points of speed and action were required to decide. Had we the ring mentioned above it would be a matter of ease to judge these points.

The expert judge, Mr. S. M. Payne, did his work very ably, to the satisfaction of those interested.

The trotting, a strong feature in regard to pleasing the 2000 people who were present to witness it, was a grand success, much credit being due Mr. E. P. Bartlett for his untiring efforts to have a good entertainment for those present and for his instructions to the secretary who followed them to the best of his ability. It is a fact that a great many people enjoy a good horse trot, and that can only be furnished with a good field of horses. Such a race as our 2-45 class with nine starters and seven to stay to the finish is sure to please. The 2-30 class with eight starters, and to go faster than any horse ever trotted the track before is a strong point in favor of offering good purses. A good, liberal purse will bring out the horses thus making the race cost the society less than a small purse and small field of starters.

In expressing our thanks to the officers and those who so willingly assisted us in making our Fair such a success, we would not forget the merchants who closed their places of business, thus enabling their help to attend and giving a tendency to send the public to the grounds, as well as the superintendent of schools, and the officers of the college foot-ball team who kindly changed a date to attend our annual Fair.

In submitting this report to the members of the Hampshire Agricultural Society there is but one thing I would ask, that is to stop and think how much easier it is to criticise than to act.

Very truly,

J. W. Kellogg.

LIST OF PREMIUMS AWARDED.

FIRST DIVISION.

CATTLE SHOW SEPT 25.

Class 1—Town Teams.

Town of Belchertown,	$5 00
" " Pelham,	2 00
Gratuity, Town of Pelham,	2 00
" " " Hadley,	2 00

Class 2—Fancy Cattle.

Alonzo Pratt, Belchertown,	5 00
H. E. Wallis, Holland,	3 00
O. A. Moore & Son, Hadley,	2 00

Class 3—Working Oxen.

G. W. Morgan, Belchertown,	5 00
L. W. West, Hadley,	2 00
W. B. Fales, Pelham,	3 00

Class 4—Steers.

G. W. Morgan, Belchertown,	5 00

Class 5—Milch Cows.

H. W. Owen, Amherst, Jersey,	4 00
" " " "	3 00
" " " "	2 00
" " " Grade Jersey,	4 00

H. E. Wallis, Holland " "	3 00
C. K. Childs, Conway, " "	2 00
" " " " "	1 00
H. E. Wallis, Holland, Devons,	4 00
" " " "	3 00
" " " "	2 00

Class 6—Herds of Milch Cows.

H. W. Owen, Amherst, Pure Jersey,	5 00
" " " Grade "	4 00
C. K. Childs, Conway, " "	5 00
H. E. Wallis, Holland, Pure Devons,	4 00

Class 7—Heifers.

H. E. Wallis, Holland, 2-years-old, Pure Bred,	3 00
H. W. Owen, Amherst, " " "	2 00
C. K. Childs, Conway, " Grade Jersey,	3 00
" " " 1-year-old, " "	2 00
H. E. Wallis, Holland, " " Devon,	1 00
" " " " Pure "	2 00

Class 8—Bulls.

H. E. Wallis, Holland, 2-years-old, Pure Devon,	4 00
C. K. Childs, Conway, 3-years-old, " Jersey,	2 00
H. W. Owen, Amherst, 4-years-old, " "	4 00
H. E. Wallis, Holland, 1-year-old, " Devon,	2 00

Class 9—Calves.

C. A. Eastman, North Amherst, Bull,	2 00
H. E. Wallis, Holland, "	1 00
" " " Heifer,	2 00
C. K. Childs, Conway, "	1 00

Class 10—Milk Test.

(See report of test on page 28.)

L. A. Shaw, Amherst,	12 00
E. W. Smith, "	8 00
J. W. Allen, "	4 00

Class 11—Swine.

H. E. Wallis, Holland, Boar,	4 00
F. O. Williams, Sunderland, gratuity, Boar,	3 00
L. W. West, Hadley, " "	3 00
L. W. West, Hadley, Sow and Pigs,	4 00
H. E. Wallis, Holland, " " "	3 00
J. W. Allen, Amherst, " " "	1 00
Edmund Hobart, North Amherst, Weaned Pigs,	4 00
Humphrey & Nutting, " " "	3 00
" " " " " "	1 00

Class 12—Sheep.

John McQueston, Hadley, 8 Ewes,	4 00
" " " 8 Lambs,	4 00
L. W. West, " 8 "	3 00
" " " Buck	4 00
" " " 25 Sheep,	6 00
John McQueston, " 25 "	3 00

Class 13—Poultry.

E. D. Still, Pelham, Trio Light Brahmas,	2 00
E. N. Fisher, Ludlow, " " "	1 00
" " " Barred Plymouth Rocks,	2 00
" " " S. C. W. Leghorns,	2 00
" " " S. C. B "	1 00
" " " Silver Laced Wyandottes,	1 00
" " " Black Minorca,	2 00
" " " Houdan,	2 00
" " " Polish,	2 00
" " " S. C. Hamburg,	2 00
" " " B. B. R. Game Bantam,	1 00
" " " Bantam,	1 00
" " " Plymouth Rock Chickens,	1 00
" " " Rose Comb B. Leghorn,	2 00
" " " Langshan,	2 00
Frank E. Thornton, Pelham, S. S. Hamburg,	1 00

J. B. Brennan, Pelham,	Display Pigeons (gratuity),	2 00
" " "	Lang Tang Phoenix Golden,	2 00
" " "	Bantams,	2 00
" " "	"	1 00
Geo. D. Graves, Amherst,	W. Plymouth Rock Chickens,	2 00
" " "	" " Fowls,	1 00
W. F. Goodale, South Amherst,	India Games,	2 00
L. A. Joy, "	" Black Leghorns,	1 00
J. C. Dillon,	" Games,	1 00
" "	" Cross Bred Fowls,	1 00
L. H. Bishop, Northampton,	Black Leghorn,	2 00
" " "	Buff "	1 00
G. H. Clark, "	Red Game,	1 00
" " "	Dark Brahmas,	2 00
" " "	" "	1 00
John Simonson, "	Golden Hamburg,	2 00
Geo. Senna, South Deerfield,	Silver Duck Games,	2 00
" " " "	Brown and Red Games,	2 00
A. A. Lyman, Northampton,	S. L. Wyandottes,	2 00
" " "	S. C. Brown Leghorns,	2 00

Class 14—Agricultural Implements. No Entries.

SECOND DIVISION.

EXHIBIT IN HALL.

Class 14½—Mechanic Arts.

W. C. Taylor, Springfield,	Haines Piano,	3 00
" " "	Esty Organ,	2 00
H. Ordway, So. Framingham,	Rattan Chairs,	2 00
E. P. Bartlett, Harness,		2 00

Class 15—Mercantile Goods.

E. D. Marsh, Amherst,		8 00
O. G. Couch & Son, Amherst,		6 00

J. F. Page,	"	4 00
Kellogg & Stebbins,	"	3 00
T. W. Sloan.	"	2 00
Henry Adams,	"	1 00

Class 16—Domestic and Other Manufactures.

Mrs. Charles Nims, Amherst,	Bedquilt,	1 00
" H. A. Ware, "	"	50
" Chella M. Allyn, "	"	1 00
Miss Jessie Chapin, "	"	50
Mrs. A. L. Green, "	Silk Quilt,	50
Mr. J. H. Richardson, "	Weather Vane,	50
Mrs. James Comins, No. Hadley,	Bed Spread,	50
Mrs. K. Durrant, Amherst,	Lap Robe,	50
Mrs. A. A. Ward, Pelham,	Bedspread,	1 00
Miss Lota A. Bartlett, "	Bedquilt,	1 00
Mr. E. P. Bartlett, "	Horse Suit,	50
Miss Nellie Day, Dwights,	Bedquilt,	25
Mrs. Chas. Mosher, So. Deerfield,	Rug,	50
" Sanford Boice, Amherst,	Bedquilt,	25
" " " "	Knit Cape,	25
" C. S. Cook, "	Sofa Rest,	50
" C. F. Morehouse, "	Quilt,	50
Miss Fanny C. Cowles,	Old Crockery,	2 50

Class 17—Fancy Articles.

Mrs. T. T. Sisson, Amherst,	Sofa Pillow,	50
" " " "	Tidy,	25
" " " "	Checker Board,	50
Miss M. J. Stearns, "	Undervest,	50
" " " "	Tidy,	25
" " " "	Lamp Shade,	25
" " " "	Skirt,	50
" I. M. Sisson, "	Sachet Bags,	25
" " " "	Pin Cushion,	25
" " " "	Pillow Cover,	50
" " " "	Stand Cover,	25
Mrs. A. C. Conway, "	2 Patterns Lace,	75

"	Jenny Farnsworth, Amherst,	Silk Quilt,	75
Miss	Jessie A. Chapin, "	"	50
"	" " "	Picture Throw,	85
"	Laura Conway, "	" "	50
"	Georgiana " "	Set Table Mats,	50
"	L. A. Sloan, "	Embroidery,	2 00
"	" " "	Fancy Skirt,	25
Mrs.	C. D. Dana, "	Whisk Broom Holder,	60
Miss	Jennie Cowles, "	Lace,	35
Mrs.	K. Durrant, "	Handkerchief,	50
"	" " "	Stand Cover,	50
Mrs.	L. W. West, Hadley,	Rope Frame,	25
Miss	K. F. Howland, Amherst,	Infants' Socks,	35
"	" " "	Stand Spread,	40
"	Edith Morgan, Pelham,	Scarf,	50
Mrs.	C. A. Wilson, "	Sofa Pillow,	75
"	Chas. Mosher, So. Deerfield,	Portiere,	55
"	C. S. Cook, Amherst,	Bureau Scarf,	25
"	" " "	Table Mats,	50
"	Sandford Boice, "	Handkerchief,	25
Miss	Jennie Cowles, "	Embroidered Skirt,	75
Mrs.	T. L. Paige, "	Table Scarf,	50
Mrs.	C. F. Morehouse, Amherst,	Sofa Pillow.	50
Miss	Edith Cooley, Sunderland,	Table Scarf,	50
Mrs.	H. D. Holland, Amherst,	Tidy,	75
"	Bertha M. Walsh, No. Amherst,	Silk Quilt,	1 00
"	E. S. Puffer, " "	Sideboard Cover,	75

Class 18—Fine Arts.

Mrs.	C. F. Morehouse, Amherst,	Collection Paintings.	2 00
"	A. L. Green, "	Portraits,	2 00
"	C. R. Kenfield, "	White Satin Quilt,	1 75
Miss	Mabel Spaulding, "	Pansies,	1 25
Mrs.	Chas. Mosher, So. Deerfield,	French Count,	1 00
"	C. S. Cook, Amherst,	Painted Roses,	75
Mr.	C. R. Kenfield, "	Photographs,	50

Class 19—Bread, Butter, Cheese.

C.	K. Childs, Conway,	Butter,	3 00

Mrs. James Comins, Hadley, Rye Bread,	2 00
" T. L. Paige, Amherst, " "	1 00
" C. L. Randall, Belchertown, Graham Bread,	2 00
" T. L. Paige, Amherst, " "	1 00
" " " " " Wheat "	2 00
" W. F. Goodale, So. Amherst, " "	1 00
Miss Nellie Day, Dwights, Rye and Indian,	2 00
Mrs. Huntley, Amherst, " " "	1 00
" C. L. Randall, Belchertown, Cheese,	3 00
" " " " "	2 00

Class 20—Honey, Wines, Canned and Dried Fruits, Jellies, Pickles, Maple Syrup and Sugar.

Mrs. L. W. West, Hadley, Canned Fruits,	3 00
" S. T. Maynard, Amherst, " "	2 00
" J. C. Dillon, " " "	1 50
" C. E. Stebbins, Deerfield, Maple Sugar Syrup,	1 50
Dwight Graves, No. Amherst, " " "	75
E. N. Fisher, Ludlow, Honey,	1 00

Classes 21 and 22—Fruit and Fruits Grown by Exhibitor.

F. E. Loomis, Amherst, Collection Quinces,	1 00
D. H. Tilson, " " " (gratuity)	1 00
" " " " Baldwin Apples,	50
Geo. H. Atkins, So. Amherst, Collection Apples,	4 00
" " " " (gratuity) "	1 50
John C. Dillon, Amherst, Display Fruit,	4 00
" " " Collection Apples,	3 00
" " " " Pears,	3 00
" " " " Grapes,	3 00
" " " " Quinces, (gratuity)	50
L. W. Goodell, Pansy Park, Figs, (gratuity)	1 00
" " " " Pineapple, "	1 00
W. D. Hinds, Townshend, Peaches,	1 00
L. W. Goodell, Pansy Park, Pears,	2 00
" " " " Grapes, (gratuity)	2 00
A. B. Howard, Belchertown, Collection Fruit,	3 00
" " " Pears,	4 00
" " " Grapes,	4 00

Class 23—Vegetables.

J. W. Allen, Amherst,	Onions,	1 00
" " "	Sweet Corn,	2 00
James Comins, Hadley,	Wheat,	1 00
" " "	Seed Corn,	1 00
" " "	Oats,	1 00
" " "	Beans,	50
" " "	Collection,	3 00
W. P. Brooks, Amherst,	Carrots,	1 00
" " "	"	50
" " "	Beets,	1 00
" " "	Tomatoes,	1 00
" " "	Cauliflower, (gratuity)	1 00
" " "	Collection,	10 00
J. H. Richardson, "	Potatoes,	2 00
" " "	1 Peck Potatoes,	1 00
C. L. Randall, Belchertown,	Pumpkins,	1 00
" " "	Rye,	50
D. H. Tillson, Amherst,	Potatoes,	3 00
F. O. Williams, Sunderland,		50
J. C. Dillon, Amherst,	Collection Vegetables,	5 00
" " "	Exhibit Potatoes,	1 00
" " "	Beans,	1 00
" " "	Seed Corn,	2 00
S. H. Goodale, So. Amherst,	Squashes,	2 00
E. N. Fisher, Ludlow,	Oats,	50
John M. Walsh, No. Amherst,	Rye,	1 00
C. E. Stebbins, So. Deerfield,	Wheat,	1 00
" " "	"	50
" " "	Rye,	1 00

Class 24—Flowers.

M. B. Kingman, Amherst,	Collection Flowers,	3 00
" " "	" Roses,	2 00
" " "	" Asters,	1 00
Mrs. Chas. Mosher, So. Deerfield,	Nasturtiums,	1 00
L. W. Goodell, Pansy Park,	Asters,	2 00
" " "	" Roses,	1 00

L. W. Goodell, Pansy Park,	Dahlias,	2 00
" " " "	Verbenas,	1 00
" " " "	Gladioli,	2 00
" " " "	Nasturtiums,	2 00
" " " "	Collection Flowers,	5 00
A. B. Howard, Belchertown,	Dahlias,	1 00
" " "	Verbenas,	2 00

THIRD DIVISION.

HORSE SHOW SEPT. 26.

Class 25—Stallions.

John McQueston, Hadley, Grade,	6 00
F. W. Warner, Westfield,	4 00
G. G. Graves, Sunderland,	3 00
D. J. Wright, Northampton,	4 00
Oliver Jock, Hadley,	3 00

Class 26—Breeding Mares with Sucking Colts.

Hollis C. Graves, So. Deerfield, Standard,	5 00
" " " " "	4 00
C. L. Russell, Sunderland, Non-Standard,	5 00
E. W. Smith, Amherst, "	4 00
John McQueston, Hadley, "	3 00

Class 27—Colts and Fillies.

John McQueston, Hadley, three-years, Non-Standard Gelding,	3 00
C. L. Russell, Sunderland, two-years, " "	2 00
A. L. Hubbard, " " " "	1 00
E. A. Dillon, Belchertown, " Standard Filly,	3 00
G. W. Rice, Springfield, " " "	2 00
W. K. Nash, Amherst, Filly,	1 00

Conn. River Stock Farm, Hatfield, two-years, Standard Filly, (special)	1 00
" " " " " one-year, " Filly,	3 00
" " " " " " " Stud, (special)	2 00
Thos. Powers, Amherst, one-year, Standard Stud,	2 00
Conn. River Stock Farm, Hatfield, one-year, Standard Stud,	1 00
" " " " " " Non " "	2 00
Geo. W. Rice, " " "	3 00
H. W. Owen, Amherst, " " "	1 00
F. L. Whitmore, Sunderland, (special) " " "	2 00

Class 28—Farm Horses.

D. F. Shumway, Belchertown, Pairs,	3 00
C. W. Thurber, Leverett, "	2 00
C. L. Randall, Belchertown,	1 00
" " " Single,	3 00
W. I. Marsh, No. Amherst, "	2 00
C. L. Russell, Sunderland, "	1 00

Class 29—Draft Horses.

C. L. Randall, Belchertown, Pairs,	4 00
Edmund Smith, Hadley, "	3 00
F. A. Cadwell, Amherst, "	2 00
" " " Single,	3 00
D. J. Wright, Northampton, "	2 00

Class 30—Carriage Horses.

Hollis C. Graves, So. Deerfield, Pair,	4 00
G. H. Leonard, Easthampton, Single,	5 00
A. S. Shaw, South Amherst, "	4 00
E. F. Wiley, Sunderland, "	3 00
J. M. Walsh, North Amherst, "	2 00

Class 31—Roadsters.

W. J. Cunningham, Hadley,	6 00
W. D. Murray, No. "	4 00
John L. Bosworth, "	2 00

Field Crops.

F. O. Williams, Sunderland,	Acre Corn,	5 00
James Comins, No. Hadley,	" "	4 00
Henry E. Hibbard, "	" "	2 00
" " " "	Half-Acre Potatoes,	5 00
James Comins, "	" "	4 00
F. O. Williams, Sunderland, "	Onions,	5 00
Mass. Agr'l College, Gratuity for display of fruit,		40 00

Trotting Races.

2-45 Class, Purse $125.

W. H. Minor, Brattleboro, Vt.,	Straitedge,	62 50
Geo. H. Blodgett, Springfield,	Nellie,	31 25
E. H. Hubbard, Ludlow,	Ruth H.,	18 75
A. H. Graves,	Gipsy Boy,	12 50

Nine entries in this class making this race cost the society only $12.50.

Yearling Colt Race, Purse $25.

A. McCallum, Northampton,	Electric,	12 50
G. W. Rice, Springfield,	H. T.,	7 50
H. McLeod, Northampton.	Australian Chimes,	5 00
L. P. Woodbury, "	L. P. W.,	

Two-Years-Old Colt Race, Purse $25.

J. N. Dillon, Belchertown,	Clinton Maid,	12 50
Geo. W. Rice, Springfield,	Lady Taras,	7 50

2-37 Class, Special Race.

W. H. Minor, Brattleboro, Vt.,	Straightedge,	40 00
G. W. Rice, Springfield,	Taras,	40 00
B. F. Bailey, Northampton,	Jim,	10 00

2-30 Class, Purse $200.

P. T. Radiker, New York,	Elrami,	100 00
F. L. Sturtevant, Hardwick,	Osprey,	50 00

Underwood Stock Farm, Keene, N. H.,	Young Voltaire,	30 00
C. D. Whitaker, Turners Falls,	Gypsy Boy,	20 00

Eight entries in this class making the race cost the society only $40.

Bicycle Race.

Ed Wilbur,	Gold Watch
Louis Jockett,	" Chain
Frank Arnold,	" Pin

NEW MEMBERS, 1893.

Dr. H. B. Perry, Amherst,
W. C. Taylor, Springfield,
Eva B. Brooks, Amherst,
Rachel B. Brooks, Amherst,
Sumner C. Brooks, Amherst,
W. J. Cunningham, Hadley,
E. W. Smith, Amherst,
G. Henry Clark, Northampton,
W. D. Murray, North Hadley,
John D. Tillson, Amherst,
Geo. H. Atkins, South Amherst,
Henry E. Hibbard, North Hadley,
A. S. Shaw, South Amherst.

TREASURER'S REPORT.

J. W. Kellogg, Treasurer, in account with the Hampshire Agricultural Society:

		Dr.
To cash on hand from former treasurer,		$122 56
"	Amherst Driving Club,	127 50
"	Savings Bank Loan,	75 00
"	Gate,	514 56
"	Rentals and pedlars,	73 50
"	Grand stand tickets,	30 25
"	Entries for trotting,	292 50
"	Entries for Bicycle Race,	20 00
"	Advertisers,	16 00
"	Bounty from State,	600 00
"	Life members,	60 00
"	Mass. Agr'l College, tickets,	40 00
"	Donations to Society,	163 17
		——$2135 04

		Cr.
By paid Savings Bank interest,		$24 75
"	Savings Bank interest,	26 00
"	Carpenter & Morehouse, bill,	26 75
"	R. M. Smith, full premium for Hadley team,	20 00
"	C. H. Sanderson rent for Pacific Hall,	3 00
"	J. A. Noble, building new fence, (in 1893)	242 59
"	Postage,	7 20
"	Posting bills,	2 00
"	Expenses on state reports,	1 00
"	Telegram, pens, tacks and book,	95
"	B. H. Howard, labor 2 days,	3 00
"	W. F. Goodale, labor 2 days,	3 00
"	Edward Jennings, labor 3½ days,	5 00
"	Ed Wilbur, labor 2 days,	1 00
"	Miss Wrigley, labor ½ day,	50
"	Chas. Williams, labor on track,	1 00
"	Truman Thayer, selling tickets,	3 00

"	Dinner tickets for band and judges,	16 90	
"	W. A. Root, watching fence,	98	
"	D. H. Tilson, labor 2 days,	4 00	
"	Carpenter & Morehouse, printing,	60 75	
"	James Wiley's bill,	14 65	
"	Geo. E. Thayer's bill,	4 25	
"	E. A. King's bill,	6 00	
"	Score cards from state,	1 17	
"	C. A. Ballou, expert judge on poultry,	10 00	
"	L. M. Payne, expert judge on horses,	12 00	
"	Millers River Band,	30 00	
"	S. A. Phillips' bill,	4 00	
"	E. A. Harris, labor,	3 36	
"	T. T. Sisson's bill,	6 00	
"	Holland & Gallond's bill,	4 49	
"	Edmund Hastings, straw,	1 50	
"	J. N. Dodge, hay and oats,	2 55	
"	Harvey White, 2 days at gate,	4 00	
"	W. H. Smith, 2 days at gate,	4 00	
"	R. W. Aldrich, 2 days at gate,	4 00	
"	W. W. Aldrich, 2 days on grand stand,	3 00	
"	Allen Brothers, watching fence,	2 00	
"	Purses 2.45 class,	125 00	
"	Purses 2.30 class,	200 00	
"	Purses Special Race,	90 00	
"	Purses yearling colt races,	25 00	
"	Purses two-year colt race,	20 00	
"	Premiums for bicycle race,	20 00	
"	Secretary and Treasurer,	75 00	
"	Haskins & Bosworth, shingling and repairing,	298 25	
"	Premiums paid,	664 75	
"	Cash on hand,	46 70	
			$2135 04

LIABILITIES.

Notes at Amherst Savings Bank,	$900 00	
Interest on same Jan. 1st,	26 00	
Estimated cost of reports and call,	25 00	
		951 00
Cash on hand,		46 70
Net liabilities,		$904 30

AUDITOR'S REPORT.

AMHERST, MASS., DEC. 20th, 1894.

This is to certify that I have this day examined the vouchers and accounts of J. W. Kellogg, treasurer of the Hampshire Agricultural Society, and find them correct, the payments accompanied by proper vouchers, with balance of cash in the treasury of forty-six and $\frac{70}{100}$ dollars ($46.70).

E. D. BANGS, Auditor.

REPORTS.

REPORT ON FRUIT.

Your committee were somewhat disappointed in the display of fruit, as it was rather inferior to that of some former years. This may be accounted for by several reasons. Foremost among these causes is the effect which the long drought of the summer has brought about, and which rendered the choice of selection much more limited. The number of exhibitors was small; the largest exhibit entered for premiums was that of Mr. Dillon which numbered forty-eight plates.

While your committee would commend the interest taken in this line by the exhibitors, we would offer some criticism, and this criticism only that it may aid future exhibitors in their preparation and make the displays more instructive to fruit growers. We must first take into account the fundamental idea of offering premiums, namely the instruction and benefit of those engaged in the industry. The Hampshire society offers such prizes as shall encourage the production of better fruit. Probably never has the effort of him who raises a strictly first-class article been better repaid than at the present day. Such fruit is not only ornamental to our tables but sure of sale at profitable prices.

One of the first things that attracted our attention was the large number of plates bearing no names. Now this state of affairs is wrong. One interested in fruit culture might just as well view a fancy exhibit, as far as gaining knowledge is concerned, as to look at a fine plate of fruit bearing no name. In case the spectator is sufficiently familiar with the specimen to know its name, he also would be familiar enough with its character and qualities so as to need no encouragement in its production. He is probably a man who is aware of its value and already grows it. Hence no one is benefited by the display. To clearly see how this neglected phase would set off a table of fruit, one had but to view the exhibit of the Massachusetts Agricultural College where each plate was labeled.

The society should require every specimen in whatever class to be distinctly and correctly named. That the exhibitors in many cases are unable to do this is no doubt a fact. Here is a chance for them to gain valuable information. Let them bring the specimens and, if possible the society should have a capable man to whom the exhibitors may be sent for aid in naming specimens, before the work of judging begins.

Where small competition is expected competitors often seem to take less care in the preparation of fruit. This is a wrong idea because judges not infrequently find it necessary to award a second or third premium although there is but one entry. This fact is stated because exhibitors often do not take the pains at these small fairs to show their best fruit.

Still again exhibitors fail to receive any good from the fairs because neither the judge nor the society takes any pains to point out the ideal characteristics and standard forms of varieties. If an exhibitor fails to receive a prize, it should be his privilege to know wherein another plate excels his. It was with a view to improvement along this line that the Massachusetts Board of Agriculture last year decided to adopt a scale of points for use in judging the various classes for the entire state. These are readily available and the exhibitors should make a careful study of them. A good illustration of faulty specimens competing where perfect specimens might have been exhibited was noted here at Amherst. In class 22, best plate of Baldwin apples, one exhibitor placed six plates on the table. *One plate only* was necessary to compete for the prize. Each of his six plates contained more or less of perfect apples, while each also contained some imperfect ones. If he had presented one entire plate of perfect fruit, which clearly he could have done, his display would have been much more creditable.

Bunches of grapes appear much nicer if all useless stems, dried and green grapes are carefully cut off by a small pair of scissors. This even is profitable in preparation for sale to say nothing of exhibition.

There is one important phase of fruit culture, namely, spraying, in which the society might do much for fruit growers, but in which very little help is received at present. Very marked and important results have been obtained by spraying. Fruit grown under its influence is fairer, less disfigured by the work of insects, and has much more perfect keeping qualities. These qualities enable it to be

sold quicker and at higher prices in the market under open competition. These are decided points in the fruit grower's favor. Why then should they not be encouraged?

The society might purchase a limited amount of spraying apparatus. Then let premiums be offered for the best results obtained from spraying. Competitors might be allowed the use of the apparatus by entering a test in this class, and paying a small fee (varying according to the size of the premiums offered or according to the amount of apparatus loaned). In all cases let two trees or vines be taken of the same variety, one sprayed, the other unsprayed. The entire fruit should be picked subject to the oversight of the committee and either the whole or a true sample of it exhibited at the fair. Perhaps in no other way could the benefits of spraying be so clearly pointed out to the average farmer.

Fruit growing is an important and worthy calling. Let us then do all that is possible to promote its well being.

Respectfully submitted,

W. A. Root, Chairman of Committee on fruit.

October 30, 1894.

REPORT OF THE COMMITTEE ON FIELD CROPS.

Mr. John W. Kellogg, Secretary Hampshire Agricultural Society:

Dear Sir:—I have completed my work as committee on field crops, and I find the following persons entitled to premiums:

Best acre of corn:

1st,	Frank O. Williams,	$5.
2d,	James Comins,	4.
3d,	Henry E. Hibbard,	2.

Best half-acre potatoes:

1st,	Henry E. Hibbard,	$5.
2d,	James Comins,	4.

Best half-acre onions:

1st	Frank O. Williams,	$5.

The yield of corn on Mr. Williams' acre is remarkable. I am satisfied it represents very nearly the actual fact for the field, although

the manner of determining the account is not altogether satisfactory.

Those who intend entering for these premiums should plan for it in the spring. There ought to be a larger competition in each class.

Yours respectfully,

GEO. P. SMITH.

CORN.

The land on which the corn grew has produced a like crop for the past two years and is a heavy loam. The land was plowed in the fall to a depth of 7 inches, and barnyard manure applied in the spring at the rate of fifteen cartloads to the acre, also one ton lime ashes. May 11th "Sibley's Pride of the North" corn was planted in drills with a "Woods" planter 3 ft. by 2½. The crop was cultivated several times and hand-hoed twice. Each hill was thinned to not over four stalks. September 5th the corn was cut and tied up in bundles. Oct. 17th your committee husked and weighed the corn from one rod selected and obtained the following results, 44½ lbs. shelled corn. Nov. 10th the corn was weighed having shrunk 2 lbs. or 42½ lbs. per rod or 6800 lbs. per acre making 121½ bushels of shelled corn to the acre.

Corn at .70 per bush.,	$85.05	
Fodder estimated at 4½ tons at $6 per ton,	27.00	
Total,		$112.05
15 loads manure, one-third charged to crop,	7.50	
Lime ashes at $5 per ton,	5.00	
Cost of cultivation,	20.00	
Total,		32.50
Balance in favor of crop,		$79.45

F. O. WILLIAMS.

The crop was grown on land called sandy loam. It has produced a crop of corn once in four years for the past twenty years. In a

system of four years rotation, manuring the corn with barnyard manure and ashes sufficient to produce four succeeding crops.

The land was plowed in April and sixteen horse-cart loads of coarse manure turned in with turf. It was fitted and planted the middle of May with a ton of Canada ashes strewed in the rows. The seed corn was an eight-rowed variety of yellow flint corn. It was tarred and dried and then submerged in a solution of corrosive sublimate, the same used for potatoes.

The object was to prevent wire-worms from attacking the kernel before germinating, a trouble I have often had on land adjoining with like treatment of manure. The treatment of the seed with poison was a success so far as attacking the kernel was concerned, but the worms were there and attacked the sprouts when they had started from the kernel in some places but not to injure the stand of corn very much.

If some of our learned professors would study out and publish some sure remedy to prevent wire worms from injuring our seed planted, both corn and potatoes, they would supply a great want in this vicinity.

The estimated yield per acre, 6400 lbs. of ears at 70 lbs. per bushel would be $91\frac{3}{7}$ bushels.

Cash value, 10 per cent. shrunk, including fodder, $71.50

Cost of poducing, including one-half for fertilizer, 40.50

Profit on one acre, ———$31.00

JAMES COMINS.

$66\frac{1}{2}$ lbs. of ears of corn to two rods of land.

The crop of 1892 and 1893 was gross, no manure being used. The soil is a sandy loam. The land was plowed in the fall of 1893 seven inches deep. In the spring of 1894 the land was harrowed four times in a place with a wheel harrow, twice in a place with a shears harrow, then smoothed and marked both ways 3 ft. 10 in. The cost of plowing was $5. The cost of harrowing and other preparation for seed would be $8. There was 65 bushels of ashes used to the acre sown broadcast, no manure. It was planted about the 10th of May by hand. I used the dent corn and planted one peck to the acre. The value of the ashes left upon the land would be about half. The cost of the seed was 75 cents a bushel. The cost of the

planting was $2. It was cultivated three times each way with a Planet Jr. cultivator. The cost of cultivating and hoeing would be $15. It took two men two days to cut the corn and bind the tops. The corn was set up around two hills none being bound. The cost of harvesting and husking would be $25. The straw used for binding the fodder would be 35 lbs. to the acre.

Cr.

By 76 bushels corn at 70 cts.,	$53.20
By 2 tons fodder at $6.50,	13.00
Total income,	——$66.20

Dr.

To cost of cultivation,	$12.00
One-half of fertilizer to crop,	7.15
Cost of Seed,	.20
Total cost,	——$19.35
Balance in favor of crop,	$46.85

H. E. Hibbard.

POTATOES.

Potato crop of 1894 was 141 lbs. of large ones and 8 lbs. of small ones to the square rod.

The crops of 1892 and 1893 were tobacco. 500 lbs. of potash was used to the acre. The soil is a heavy loam. The land was plowed in the fall 7 inches deep; in the spring it was harrowed, then furrowed in rows 3 feet apart. The cost of plowing and fitting the land was $3. There was no manure used but one ton of Buffalo fertilizer to the acre. They were planted the last of April by hand. I used 12 bushels to the acre, the kind being White Elephant. The cost of planting was $3. They were cultivated three times and harrowed twice. They were dug by hand.

Cr.

188 bushels large potatoes at .60	$102.80
$1\frac{2}{3}$ bushels small potatoes at .20	.33
Total income,	——$103.13

Dr.

Cost of ½ ton Buffalo fertilizer.	$17.00
Cost of cultivation,	6.00
Cost of seed and Paris green,	3.50
Total cost,	$26.50
Balance in favor of crop,	$76.63

The cost of digging and marketing is paid by the improvement in the land by fertilizing and work.

H. E. Hibbard.

The half acre of potatoes I entered for the society premiums was grown on the same plot of land that produced a good crop last year. The large crop of last year (347 bushels) together with the fact that they were some scabby led me to try the much advertised remedy of poisoning the seed with corrosive sublimate. I procured 4 oz. of the poison, dissolved it in hot water, put it in a tub with 15 gallons of cold water and set my seed potatoes in the mixture in an old basket. They were allowed to remain submerged an hour and a half, then dried, cut and planted. The seed potatoes were as good as I could select from my last year's crop but some were a little specked with scab. The experiment was not a complete success. The wire worms attacked the halves of the potatoes planted and prevented some of them from coming up, but they were planted so thick that the field was fairly stocked. The land was plowed in the fall and 32 loads of hog manure worked in before winter. In the spring, it being quite dry for a wet piece of land, it was fitted and planted the last of April with sulphate of potash applied in the row. I hoed three times and applied Paris green three times to keep the bugs and weeds in check. It made a large growth of tops but the yield was not so good as I hoped for.

Half acre produced 160 bushels valued at	$64.00
Cost of producing,	56.50
Profit on crop,	$7.50

James Comins.

ONIONS.

Report of onions raised by F. O. Williams.

The acre of onions entered for premium grew on a heavy loam soil, it being the second year to onions. The land was plowed in November and barnyard manure applied in the winter at the rate of 18 loads per acre valued at $27, also 800 lbs. of "E. Frank Coe's Fertilizer" applied broadcast just before planting. The seed bed was made smooth and raked, being planted April 19th in drills 14 inches apart. The crop was affected somewhat by the drought in July and August. September 7th your committee selected a rod which was pulled and cut after being well cured down, with the following results:

Total weight of rod,	186 lbs.	
Small onions,	4½ lbs.	
Total weight per acre,	29760 or 572 bush. 16 lbs.	
Large onions at 50 cts per bushel,	$279.24	
Small onions at 20 cts. per bushel,	2.75	
Total,		$281.99
Cost of cultivation,	$60.00	
Cost of manure,	27.00	
Cost of fertilizer,	14.40	
Cost of seed,	6.50	
Total,		$107.90
Balance in favor of crop,		$174.09

REPORT OF MILK TEST.

The analysis of the milk was made by the State Experiment Station, the apparatus employed being the Babcock milk-tester, a thoroughly accurate and reliable method. Following is a tabular statement of the results:

A. M.	No. 1.	No. 2.	No. 3.	No. 4.
Yield of milk (pounds),	14½	12	12	19½
Per cent. fat in milk,	4.20	.00	55.10	5.60
Pounds fat in milk,	.609	.60	.612	1.092

	P. M.			
Yield of milk (pounds),	7½	9½	11	9½
Per cent. fat in milk,	2.00	5.40	6.40	5.80
Pounds fat in milk,	.15	.513	.704	.551
Pounds fat in total milk,	.759	1.113	1.316	1.643
Points won on milk,	75.9	111.3	131.6	164.3
Additional points (10 days),	--	20.68	—	36.79
Total points,	75.9	131.98	131.6	201.09
Age (years),	8	8	10	9
Last calf dropped, (1894)	Sept. 7	July 25	Sept. 10	July 2
Breed, (Jersey)	Grade	Grade	Grade	Regular

Cow No. 1, owned by Mr. F. O. Curtis, Amherst.
Cow No. 2, " " " E. W. Smith, " 2d.
Cow No. 3, " " " J. W. Allen, " 3d.
Cow No. 4, " " " L. Shaw, " 1st.

F. L. Arnold, Analyst.

FORTY-SIXTH ANNUAL REPORT.

TRANSACTIONS

OF THE

HAMPSHIRE AGRICULTURAL SOCIETY,

FOR THE YEAR 1895.

AMHERST, MASS.:
PRESS OF CARPENTER & MOREHOUSE,
1895.

OFFICERS FOR 1895.

PRESIDENT.

GEORGE P. SMITH, - - - - Sunderland.

VICE-PRESIDENT.

JOHN McQUESTON, - - - - Hadley.

SECRETARY.

J. W. KELLOGG, - - - - Amherst.

TREASURER.

J. W. KELLOGG, - - - - Amherst.

EXECUTIVE COMMITTEE.

E. P. BARTLETT, - - - - Pelham.

H. D. DANA, - - - - Amherst.

HENRY E. HIBBARD, - - - - North Hadley.

F. O. WILLIAMS, - - - - Sunderland.

A. B. HOWARD, - - - - Belchertown.

W. L. BOUTWELL, - - - - Leverett.

DELEGATE.

WM. P. BROOKS, - - - - Hadley.

SECRETARY'S REPORT.

September 24, 1895 dawns bright and clear and furnishes the Society with a perfect day in which to commence its Annual Fair and Cattle Show. The attendance as in past years was rather light, about the same as in the past two years. The exhibition in the hall completely out-done any previous attempt at show making.

The show of vegetables would do credit to any agricultural society. The same could be said of grains and fruits. The merchants come on with a good attraction and furnished a good part of the exhibition. Here a word could be said in shape of thanks to the exhibitors in this class. Some of them being obliged to hire teams to take their goods to and from the grounds and close their stores to allow their help to attend the fair. We were furnished with excellent music by Messrs. Bruce and Taylor of Springfield. The musical attraction renders the time to be spent in the hall by visitors very pleasant and it is thought that it is fully appreciated.

The next to take the eye was the poultry show just outside the hall, which was pronounced by people that should be good judges as very good. Now in order comes the cattle. From the Smith farms in Hadley came the best string of working and fancy cattle that has entered the gates for years, if not the best ever shown on the grounds. There being twenty-four pairs in the string, and every ox looked at with a longing eye by our butchers and cattle fanciers. The exhibit of milch cows being fully up to the standard, Mr. H. W. Owen of Amherst showing his excellent herd of registered Jerseys. Mr. C. K. Childs of Conway, Mr. H. E. Wallis of Holland, Mr. Root of Deerfield making good exhibits. Mr. Root kindly gave us an illustration of education as applied to the bull. He having met with no little success in, as he terms it, educating bulls. A good exhibition of sheep and swine were furnished by Messrs. West, McQueston and Smith of Hadley, Williams of Sunderland, Wallis of Holland, Hobart of North Amherst. From this our attention was drawn to the judges stand by the ringing of the bell, to call up the 2-45 class of trotters and pacers to which ten starters responded and here entertainment was furnished those who enjoy horse-trotting of the highest class until the sun had refused any more of her

bright rays. Between the heats of this class two colt races were trotted and one bicycle race.

This ended the sport for day No. 1. The spectators left us to arrange the program for the next and last day. The weather for day No. 2 could not be improved. It being a perfect September day. Early in the morning people came to see what we had to offer in the way of attractions. And here let us say again that lovers of the trotters had all they could wish for. Mr. E. P. Bartlett and Mr. George Thayer, doing everything in their power to please the horse-men and so have them please the spectators, which is thought was done quite as well as in former years. Here we can well stop to thank those who so kindly acted as marshal and police to keep the crowd back to enable the racing sport to be continued.

The exhibition of colts and fillies was not up to standard, owing in part perhaps to the condition of the horse market. The same offering but little inducement to the breeder of anything but stock of the highest possible standard. A few words regarding the financial part of the show and society, while we can say that it was fairly successful this year, there is that same feeling that we have felt for years. Not money enough to pay premiums expenses and repairs that seem almost a necessity. There is that fence bill every year from one to three hundred dollars and will be until the new fence is continued around the grounds. The pens and hitching posts that were placed there twenty years ago, positively refused to do any more actual service. Thus requiring an outlay of considerable money which was done to the best judgment of the President and your secretary. Taking this with the damage done to the fence and stalls by the wind-storm the first of September would tend to make us feel poor. An experiment was tried to encourge the farmers by adding a new class No. 23½ which was well filled throughout and if the gate receipts could be made larger it would be a good thing, but until the gate receipts are much larger than at present, there must be a halt in adding to the premium list. We have now too large a premium list for the size of our show.

In submitting this report to the members of the Hampshire Agricultural Society, I wish to extend to you one and all who so kindly did your part in making and producing our Cattle Show and Fair, my heartiest thanks, and earnestly hope the society may be handled in a way to be more of a success.

Very truly,

J. W. Kellogg.

LIST OF PERMIUMS AWARDED.

FIRST DIVISION.

CATTLE SHOW SEPT. 24.

Class 1—Town Teams.

Town of Hadley,	$10 00
" " Belchertown,	5 00

Class 2—Fancy Cattle.

George E. Smith, Hadley,	5 00
" " " "	3 00
G. W. Morgan, Belchertown,	2 00

Class 3—Working Oxen.

G. W. Morgan, Belchertown,	5 00
George E. Smith, Hadley,	2 00
" " " "	3 00

Class 4—Steers.

George E. Smith, Hadley,	5 00
" " " " 3-years old,	3 00
" " " " 2 " "	4 00
" " " "	2 00
" " " "	1 00

Class 5—Milch Cows.

H. W. Owen, Amherst, Jersey,	4 00
" " " "	3 00
" " " "	2 00

H. E. Wallis, Holland, Grade Devons,	4 00
C. K. Childs, Conway, " Jersey,	3 00
H. W. Owen, Amherst, " "	2 00
John McQueston, Hadley, " "	1 00

Class 6—Herds of Milch Cows.

H. W. Owen, Amherst, Pure Jerseys,	5 00
" " " Grade "	5 00
John McQueston, Hadley, " "	4 00
H. E. Wallis, Holland, Pure Devons,	4 00
C. K. Childs, Conway, " Jerseys,	3 00
A. W. Root, Deerfield, " Grade,	3 00

Class 7—Heifers.

H. E. Wallis, Holland, 2-years-old, Pure Bred,	3 00
H. W. Owen, Amherst, " " " Jersey,	3 00
C. K. Childs, Conway. " Grade Jersey,	2 00
A. W. Root, Deerfield, 1-year-old, " "	1 00
H. E. Wallis, Holland, " " Devon,	2 00
H. W. Owen, Amherst, " Pure Jersey,	1 00
C. A. Eastman, No. Amherst, " Grade "	1 00

Class 8—Bulls.

H. E. Wallis, Holland, 3-years-old, Pure Devon,	4 00
H. W. Owen, Amherst, 5-years-old, " Jersey,	4 00
John McQueston, Hadley, 2-years-old, Holstein,	4 00
C. A. Eastman, No. Amherst, 1-year-old, Jersey,	2 00

Class 9—Calves.

H. E. Wallis, Holland, Bull,	2 00
D. W. Dickinson, So. Amherst, Heifer, Gratuity,	2 00
A. W. Root, Deerfield, "	2 00
C. K. Childs, Conway, "	1 00
George E. Smith, Hadley, pair Steer Calves,	3 00
" " " " " " "	2 00
" " " " " " "	1 00

Class 10—Milk Test.

No Entries.

Class 11—Swine.

F. O. Williams, Sunderland,	4 00
H. E. Wallis, Holland, Boar,	3 00
F. O. Williams, Sunderland, Sow and Pigs,	4 00
H. E. Wallis, Holland, " " "	3 00
Edmund Hobart, North Amherst, Shoats,	4 00
F. O. Williams, Sunderland, "	3 00
G. H. Atkins, So. Amherst, Weaned Pigs,	4 00
F. O. Williams, Sunderland, " "	3 00

Class 12—Sheep.

John McQueston, Hadley, 8 Ewes,	4 00
L. W. West, " "	3 00
L. W. West, " 8 Lambs,	4 00
" " " Buck,	4 00
" " " 25 Sheep,	6 00
John McQueston, " 25 "	3 00
" " " Buck,	3 00
R. M. Smith, " "	3 00

Class 13—Poultry.

John C. Dillon, Amherst, Cross Bred Fowls,	2 00
" " " " Duckwing Games,	1 00
" " " " American Ducklins, Special,	2 00
F. F. Dewey, Belchertown, B. Leghorns,	2 00
" " " " " Chickens,	1 00
J. B. Brennan, Pelham, Collection of Pigeons, Special,	1 00
" " " Pekin Ducks,	2 00
" " " Black Wild Ducks,	1 00
" " " Long Trail Jap. Silkie Chickens,	2 00
" " " Light Brahma "	2 00
" " " Jap. Silkies,	1 00
Frank Thornton, " Buff Cochins,	2 00
" " " White Cochins,	2 00
H. F. Joy, So. Amherst, R. C. Brown Leghorns,	1 00
C. E. Ray, " White "	2 00
George Cadwell, " B. P. Rock,	2 00
George L. Graves, " W. P. Rock,	2 00
" " " " " "	1 00

George Senna, South Deerfield,		Silver D. W. Games,	1 00
" " "	"	Special "	2 00
E. N. Fisher, Ludlow,		S. S. Hamburg,	1 00
" " "		S. L Wyandottes,	2 00
" " "		W. Wyandottes,	2 00
" " "		R. C. Brown Leghorns,	2 00
" " "		Black Minorca,	2 00
" " "		Andalusians, Special,	2 00
A. L. Kingsbury, Northampton,		Golden Wyandottes,	2 00
" "	"	" "	1 00
" "	"	Buff Leghorn, Special,	2 00
Charles C. Lewis,	"	B. Minorca,	1 00
" " "	"	" " Fowls,	1 00
" " "	"	W. Leghorn,	1 00
S. L. Dewey,	"	G. S. Bantams, Fowls,	2 00
" "	"	" " Chickens,	2 00
G. H. Clark,	"	D. Brahmas,	1 00
" "	"	B. B. Red Games,	2 00
" "	"	Aylsbury Ducks,	2 00
John Simmonson,	"	G. P. Hamburg,	2 00
C. C. Montague, Amherst,		B. P. Rock,	1 00
" "	"	Black Leghorns, Special.	2 00

SECOND DIVISION,

EXHIBIT IN HALL.

Class 14—Agricultural Implements.

No entries.

Class 14½—Mechanic Arts.

No Premiums awarded.

Class 15—Mercantile Goods.

E. D. Marsh, Amherst,		8 00
J. W. Kellogg & Co.,	"	6 00
J. F. Page,	"	4 00

Class 16—Domestic and Other Manufactures.

Mrs. A. Prentiss,	No. Hadley,	Bed Quilts,	1 50
" A. R. Bridgman,	Amherst,	Carriage Robe,	50
" " "	"	Silk Quilt,	75
" Guilford "	"	Mat,	1 50
" E. J. Leach,	"	Rug,	50
Miss Julia B. Smith,	Sunderland,	Spread,	50
Mrs. Benj. Wrigley,	Amherst,	Bed Quilt,	25
" L. H. Moulton,	" "	"	50
Miss Ione Lovell,	Belchertown, "	"	75
" Lydia E. Dickinson,	Amherst,	Rug,	50
Mrs. E. C. Parker,	"	Bed Quilts,	1 50
" J. W. Allen,	"	" "	75
" " "	"	Rugs,	1 00
Mr. M. W. Howard,	North "	Carriage Robe,	50
Mrs. Frank Rich,	"	Bed Quilt,	25
" Chas Eastman,	" "	Knit Mittens,	2 00
" Bertha M. Walsh,	" "	Bed Quilt,	25
" George S. Allen,	Amherst,	Afghan,	75
Miss Fanny C. Cowles,	"	Old Satins,	1 00
" Jessie A. Chapin,	"	Bed Quilts,	75
Mrs. C. F. Morehouse,	"	Table Spread,	50
" Lucia Ingram,	"	Bed Quilt,	50
" L. A Boice,	"	Mittens,	25
" " "	"	Table Mats,	50
" " Cook,	"	Pillow Shams,	50

Class 17—Fancy Articles.

Miss Henrietta M. Porter,	Amherst,	Dust Bag,	80
Mrs. Benj. Wrigley,	"	Sofa Pillow,	50
" F. M. Johnson,	South "	Mexican Work,	1 30
Miss L. A. Sloan,	"	Embroidery,	80
Mrs. T. W. "	"	"	80
Miss Jennie Allen,	"	Toilet Cases,	1 30
Mrs. J. C. Reed,	"	Doilies Pin Ball, Sofa Pillow,	1 30
Miss Grace A. Howard,	North "	Tray Cloth,	50
Mrs. Frank Rich,	"	Apron,	40
Mr. A. Shaw,	South "	Silk Quilt,	1 00

Mrs. E. S. Puffer,	North	Picture Throw,	30
" John Walsh	" "	Toilet Ware,	1 25
" H. Huntley,	"	Tray Cloth,	50
Miss Jennie L. Cowles,	"	Fancy Work,	1 00
Mrs. Lucius Ingram,	"	Afghan,	1 00
" H. D. Holland,	"	Socks,	50
" C. F. Morehouse,	"	Shawl and Apron,	50
Miss Kate Howland,	"	Shawl,	80
" Jessie A. Chapin,	"	Fancy Articles,	1 00
Mrs. C. E. Belding, Sunderland,		Doilies,	50
" L. O. Chittenden,	"	Lamp Mat and Sofa Cushion,	1 00
" H. D. Dana, Amherst,		Mat and Tray Cover,	70
" Frank Fiske,	"	Organ Stool Cover and Tidy,	80
" L. C. Cook,	"	Flowers,	25

Class 18—Fine Arts.

Mrs. C. F, Morehouse, Amherst,	Oil Paintings,	3 00
Miss Annie Lentell,	" " "	3 00
Mr. C. R. Kenfield,	" Photographs,	1 50
Mrs. Clara Fay, Northampton,	Drawing,	1 00
Miss Jennie M. Allen, Amherst,	Painting,	50
Mrs. A. L. Green,	" Portrait,	1 00

Class 19—Bread, Butter and Cheese.

C. K. Childs, Conway,	Butter,	3 00
W. L. Boutwell, Leverett,	"	2 00
Miss Jennie M. Allen, Amherst,	Rye Bread,	2 00
" Jennie L. Cowles,	" Wheat "	1 00
" Bertha B. Phelps,	" " "	2 00
Mrs. S. W. Boutwell, Leverett,	Graham "	2 00
" C. L. Randall, Belchertown,	" "	1 00
" " " "	Cheese,	3 00

Class 20—Honey, Wines, Canned and Dried Fruits. Jellies, Pickles, Maple Syrup and Sugar.

John C. Dillon, Amherst,	Display Fruit,	3 00
" " " "	Gratuity on Jam,	50
" " " "	Exhibit of Pickles,	1 00
E. N. Fisher, Ludlow,	Honey,	1 00
Mrs. S. W. Boutwell, Leverett,	Display Fruit,	2 00

Classes 21 and 22—Fruit and Fruits Grown by Exhibitor.

A. B. Howard, Belchertown, Assorted Basket,	3 00
" " " Display Fruit,	4 00
J. C. Dillon, Amherst, " "	3 00
George L. Cooley, Sunderland, Collection of Apples,	4 00
H. D. Dana, Amherst, " " "	3 00
L. W. West, Hadley, " " "	2 00
A. B. Howard, Belchertown, " " "	1 00
" " " " " Pears,	4 00
J. C. Dillon, Amherst, " " "	3 00
A. B. Howard, Belchertown, " " Grapes,	4 00
J. C. Dillon, Amherst, " " "	3 00
F. E. Loomis, Sunderland, " " Peaches,	2 00
A. B. Howard, Belchertown, " " "	1 00
" " " " " Quinces,	1 00
G. S. Cooley, Sunderland, Plate Baldwins,	50
L. W. West, Hadley, " Greenings	50
A. B. Howard, Belchertown, " Gravensteins,	50
" " " " King,	50
A. M. Lyman, Montague, " Franklin County, Gratuity,	1 00
L. W. West, Hadley, " Porters, Gratuity,	50
" " " " Beauty of the Valley,	50
" " " " Pound Royals,	50

Class 23—Vegetables.

W. L Boutwell, Leverett, Collection of Vegetables,	8 00
W. P. Brook, Amherst, " " "	4 00
E. N. Fisher, Ludlow, " " "	2 00
W. L. Boutwell, Leverett, Exhibition of Potatoes,	2 00
H. C. Bates, So. Amherst, " " "	1 00
W. L. Boutwell, Leverett, Peck "	1 00
J. M. Walsh, No. Amherst, Exhibit Onions,	1 00
J. W. Allen, Amherst, " "	50
W. P. Brooks, " " Carrots,	1 00
" " " Collection Beets,	1 00
E. C. Parker, " " "	50
A. B. Howard, Belchertown, " Tomatoes,	1 00
W. L. Boutwell, Leverett, " "	50

Mrs. Charles Eastman, No. Amherst, Beans,	1 00
W. D. Crocker, " " "	1 00
F. E. Loomis, Sunderland, Pumpkins,	1 00
G. L. Cooley, " " Gratuity,	50
D. W. Wentzel, Amherst, Collection Cabbages,	2 00
W. L. Boutwell, Leverett, "	1 00
W. L. Boutwell, Leverett, Squashes.	2 00
D. W. Wentzel, Amherst, "	1 00
G. L. Cooley, Sunderland, " Gratuity,	50
George P. Smith, Sunderland, Largest Pumpkin,	1 00
" " " " " Squash,	1 00
Enoch J. Clark, Leverett, Cauliflower,	50

Class 23½—Grains Grown by Exibitor.

W. L. Boutwell, Leverett, Collection Corn,	3 00
George P. Smith, Sunderland, " "	2 00
W. L. Boutwell, Leverett, Sweet "	2 00
George P. Smith, Sunderland, " "	1 00
W. L. Boutwell, Leverett, Pop "	2 00
A. Gates, Pelham, Trace 8 Rowed "	1 00
W. L. Boutwell, Leverett, " " "	50
J. C. Dillon, Amherst, " " " Gratuity,	50
W. L. Boutwell, Leverett, 12 " "	1 00
J. C. Dillon, Amherst, " " "	50
" " " Colorado Dent "	1 00
George P. Smith, Sunderland, " " "	50
W. L. Boutwell, Leverett, Longest Trace Seed Corn,	2 00
F. E. Loomis, Sunderland, " " " "	1 00
E. N. Fisher, Ludlow, Exhibit Oats,	1 00
A. Gates, Pelham, " "	50
E. N. Fisher, Ludlow " Rye,	1 00
A. Gates, Pelham, " "	50

Class 24—Flowers.

M. B. Kingman, Amherst, Roses,	2 00
" " " Nasturtiums,	1 00
" " " Carnations,	1 00
" " " Collection of Flowers,	3 00

A. B. Howard, Belchertown, Asters,	2 00
" " " Zinnias,	2 00
" " " Bouquet,	1 00
" " " Collection of Flowers,	1 00
Mrs. S. W. Boutwell, Leverett, Asters,	1 00
" " " " Dahlias,	2 00
" " " " Nasturtiums,	2 00
" " " " Zinnias,	1 00
" " " " Bouquet,	2 00
" " " " Collection of Flowers,	2 00
L. W. Goodell, Pansy Park, Pansies,	2 00
" " " " Verbenas,	2 00
" " " " Water Lillies, Gratuity,	2 00
" " " " Begonias "	1 00
" " " " Sweet Peas,	2 00
" " " " Japan Pinks,	1 00
" " " " Collection of Flowers,	5 00
C. O. Parmenter, Pelham, Sweet Peas,	1 00

THIRD DIVISION.

HORSE SHOW SEPT. 25.

Class 25—Stallions.

John McQueston, Hadley, Stallion,	6 00
F. W. Warner, Westfield, "	4 00

Class 26—Breeding Mares with Sucking Colts.

J. V. Lentell, Amherst,	3 00

Class 27—Colts and Fillies.

A. M. Lyman, Montague, Yearling,	3 00
" " " 2-years-old,	2 00
C. P. Bolles, Wilbraham, "	3 00

John McQueston, Hadley, "	1 00
" " " 3-years-old,	2 00
A. M. Lyman, Montague, "	3 00
Wm. K. Nash, Amherst, "	3 00
H. L. Coe, Springfield, "	3 00

Class 28—Farm Horses.

C. L. Randall, Belchertown, Single,	3 00
A. Gates, Pelham, "	2 00
H. L. Cowles, Hadley, "	1 00
F. L. Whitmore, Sunderland, Pairs,	4 00
D. F. Shumway, Belchertown, "	3 00
C. W. Thurber, Leverett, "	2 00

Class 29—Draft Horses.

Mass. Agricultural College, Amherst, Pairs,	5 00
" " " " "	4 00

Class 30—Carriage Horses.

T. W. Sloan, Amherst, Single,	5 00
A. M. Lyman, Montague, "	4 00
J. L. Dana, Amherst, "	3 00
W. J. Cunningham, Hadley, "	2 00
F. P. Newkirk, Easthampton, Pairs,	4 00
Dr. H. B. Perry, Amherst, "	2 00

Class 31—Roadsters.

Charles A. Simonds, Wilbraham, Single,	6 00
W. D. Murry, Amherst, "	4 00
B. F. Howard, Sunderland, "	3 00
E. F. Wiley, " Pairs	4 00
D. J. Wright, Northampton, "	2 00

Field Crops.

F. O. Williams, Sunderland, Onions,	5 00
J. C. Dillon, Amherst, Half-Acre Potatoes,	5 00
" " " Acre Corn,	5 00
" " " " "	4 00
L W West, " " "	2 00
Mass. Agricultural College, Gratuity for display of fruit,	40 00

Trotting Races.

2-45 Class, Purse $125,

Charles Grisse, Indian Orchard,	McGinty,	62 50
J. B. Whitcomb, Farley,	Leonel,	31 25
Ed. Everett, Deerfield,	Selina,	18 75
A. H. Graves, Hatfield,	Zebuna,	12 50

Ten entries in this class.

Two-Years-Old Colt Race, Purse $25.

A. H. Graves, Hatfield,	Conrie T.,	12 50
C. P. Bolles, Wilbraham,	H. T.,	7 50
J. M. Sackett, Holyoke,	Cornelias,	5 00

2-35 Class, Purse $200.

W. H. Minor, Brattleboro, Vt.,	King Bird,	100 00
Charles Grisse, Indian Orchard,	McGinty,	50 00
Thomas Hurlhey, Northampton,	Albert H.,	30 00
G. A. Phillips, Monson,	Phalimon,	20 00

Eight entries in this class.

2-29 Class, Purse $200.

W. H. Minor, Brattleboro, Vt.,	Gold Bar,	100 00
T. T. Sisson, Amherst,	Straight Edge,	50 00
George A. Lawrence, Holyoke,	Ben F.,	30 00
William Kingman, Enfield,	San D.,	20 00

Seven entries in this class.

Bicycle Race.

E. S. Wilbur, Amherst,	Hat.
Charles Tillson, "	Necktie.
E. S. Wilbur, "	Gold Medal.
Charles Tilfson, "	Silver Medal.
Frank Arnold,	" "

REPORTS.

REPORT ON CORN.

To the Secretary of the Hampshire Agricultural Society:

The crop of 1893, on the acre of land marked No. 1, and offered for the society's premiums for the best acre of corn, was almost all sorrel. The yield was certainly less than 500 pounds per acre. No manure was used on that crop. In 1894, it was planted with potatoes, receiving two and one-half cords of compost in the drills, and yielded about a hundred bushels of potatoes, two-thirds of them marketable. The soil is a sandy loam, on a gravelly subsoil. Ideal corn grown in a wet season, but altogether too porous for seasons like the two last. After the potatoes were dug, I sowed two bushels of rye, and harrowed it in with an Acme harrow, driver riding. May 24, 1895, I plowed a middling crop of rye in, six inches deep, and harrowed with Acme harrow same day. May 27, I marked both ways and planted with Macombers planter, rows 38 inches, hills 19 inches apart, four kernels in a hill. Took about 16 quarts of seed, varieties, "Amherst Dent." "Longfellow," "Canada Improved," and "Mrs. Goddard." May 29, scattered 1000 pounds Bradleys XL along rows. May 30 harrowed with Acme harrow, driver walking. This harrowing does not at all disturb the seed, but it levels and fines the surface, mixes the fertilizer thoroughly with the mellow soil over the seed and destroys the myriad of weed seeds which, under favorable conditions, have germinated since the field was plowed. This gives the corn the first chance, and simplifies the problem of keeping the crop clean without unprofitable hand labor. June 10, I thinned to three plants in a hill. June 15 cultivated twice in a row. June 18 hoed. July 16, sowed broadcast, 500 pounds Bradleys XL. Also a peck of herds grass and 10 pounds of red clover. Cultivated twice in a row, once before and once after sowing grass seed, with a light harrow toothed cultivator. Harrowed September 16 and 17.

September 6, 1895, your committee visited my farm and selected, measured and staked out two average rods, one of Flint and one of Dent Corn. These we left standing, and, Oct. 19, your committee again visited me, and gathered, husked and weighed the corn on these two rods. The rod of Flint corn yielded 60½ pounds, and the rod of Dent corn yielded 61½ pounds of dry sound ears of corn. The average of the two, 61 pounds, represents a yield of 9,760 pounds of ears, which means 122, 130 or 140 bushels of shelled corn per acre, according as you allow 70, 75 or 80 pounds of ears to the bushel. Your committee fixes the standard at 80 pounds. This would indicate a crop of 122 bushels of shelled corn to the acre, which, I think, is rather below than above the actual yield. For my own satisfaction, I have saved, weighed and hung up, several lots of the corn, and propose to reweigh them in one, and again in two months time, and then to shell them and weigh both corn and cobs.

The stover on the two rods selected and harvested by your committee was, of course, so tattered, frosted, and weather beaten, as to be practically worthless. To ascertain the value of the stover generally, I took a stook at random on the same piece of which the following is an analysis.

Oct. 23, 1895, one stook Flint corn, Canada Improved, husked and brought to the house by self and Joseph Carp, and weighed in his presence, 8 bundles, 147 stalks, weight of corn 53½ pounds sound dry ears, weight of stover 64 pounds dry well cured stover. Yield per acre 9,806 pounds ears of corn, 11,728 pounds, or five tons, 1,728 pounds of fodder, each stook contained 48 hills. There are 55 hills in a square rod.

I think it is proper to say that, with the other conditions the same, a somewhat greater yield of corn would have been obtained, with less labor, if there had been only two-thirds as many stalks. I am led to this conclusion by the fact that, where there were only one or two stalks in a hill, the corn was much larger than when there were three; and in rare instances, where there were four stalks in a hill, there was no well-developed corn.

At the Hampshire society's fair at Amherst, Sept. 24 and 25, I exhibited three traces of corn from this field, and was awarded one first, and one second premium, and a gratuity equal to second premium. This was in strong competition. I have also sent four traces of this corn, and with each trace, six stalks bearing twin ears, to the Atlanta exposition.

The following is a statement of the account with the crop:

1894.		
Sept.	To two bushels of rye, sowing and harrowing,	$2 50
1895.		
May 24.	Plowing $2, harrowing 75 cents,	2 75
" 27.	Marking 50 cents, seed 50 cents, planting $1,	2 00
" 29.	Bradleys XL 1000 pounds, $16, applying 75 cents,	16 75
" 30.	Harrowing,	37
June 10.	Thinning,	2 00
" 15.	Cultivating,	1 00
" 18.	Hoeing,	2 00
July 16.	Bradleys XL 500 pounds,	8 00
" "	Applying fertilizer.	75
" "	Clover and grass seed $1.70, sowing $1,	2 70
" "	Cultivating,	1 00
Sept. 16.	Cutting, binding and stooking,	6 00
" "	Husking 279 baskets at 3 cents,	8 37
" "	Rent of land, (assessed value 40 cents per acre,)	2 40
	Cost of crop,	$58 59
1895.	*Cr.*	
Oct. 21.	By 122 bushels shelled corn at 50 cents,	$61 00
" "	" 5 tons stover, at $7 per ton,	35 00
	Value of crop,	$96 00

By a slightly different standard, as ascertained by the committee of the Hampshire, Franklin and Hampden Agricultural society, the cost of the crop was $57.96 and the value of the crop, $94.43. Of course the price of the grass seed and sowing are in no way chargeable to the corn crop; but I have given them as essential to the full understanding of the rotation. There is now a good stand of clover and grass, and a promise of two tons to the acre next year, and a ton to the acre the two following years; and the land will be in much better condition, either to top dress or to break up, than it was in 1893.

The acre of corn marked No. 2 was raised "on shares" for W. S. Westcott of Amherst. The agreement was that he should furnish land and fertilizer and I should furnish seed and labor and that we should divide the crop equally. The crop of 1893 was tobacco. It was manured with $50 worth of cotton seed meal, sulphate of potash and Bradleys XL and

yielded 2,000 pounds of tobacco. Last year I worked it at the halves. Mr. Westcott furnishing 1,200 pounds of Melrose superphosphate, and the acre yielded fifty bushels shelled corn and 4,200 pounds fodder. The soil is a sandy loam, with a gravelly subsoil. It is a good corn land. It was ploughed, May 18, six inches deep, harrowed with Acme harrow same day. May 20, marked both ways, planted with Macomber planter, rows 38 inches, hills 19 inches apart, Amherst Dent corn, four kernel in a hill. May 22, scattered 1,200 pounds Bradleys complete corn manure along the drills, and harrowed with Acme harrow, driver walking. June 5, thinned to three plants in a hill. June 12, cultivated twice in row. June 13, hoed. July 10, sowed broadcast 400 pounds Bradleys complete corn manure, cultivated twice in a row, and harrowed Sept. 18 and 26.

The committee inspected the crop, Sept. 7, and cut and stooked an average rod; and Oct. 21, he husked and weighed the corn on this stook, and it yielded 47 pounds of ears and 58 of stover. This would indicate a yield of 7,520 pounds of ears, which at 80 pounds of ears to the bushel would give 94 bushels of shelled corn and four and two-thirds tons of fodder on the acre. On this was stouter larger corn than that on the home lot, before described, I cannot but think that a portion of the corn had been stolen from the stook. This sample stook was cut and set up before the hard storm of the 11th of September; and to ascertain as far as possible the effect of this storm on the standing corn, I husked and weighed an adjoining stook with the following results:

Oct. 23, one stook Dent corn (Westcott lot) eight bundles, 142 stalks, weight of corn (ears) 50 pounds, weight of stover 54 pounds, yield per acre 9,165 pounds of ears. At 80 pounds of ears to the bushel, $114\frac{45}{80}$ bushels of shelled corn, and $4\frac{19}{20}$ tons of fodder. This would seem to show that, while the hail cut and slit the fodder badly, it actually destroyed but little of it. The stook last described also contained 48 hills; while as on the other piece, there are 55 hills in a square rod.

The following is a statement of our account with the crop:

1895 corn crop in account with W. S. Westcott and John C. Dillon, *Dr.*

May 18.	Plowing $2, harrowing 75 cents,	$2 75
" 20.	Marking 50 cents, planting $1, seed 50 cents,	2 00
" 22.	Bradleys complete corn manure, 1000 pounds,	20 00
" "	Applying fertilizer $1, harrowing 37 cents,	1 37
June 5.	Thinning,	1 50
" 12.	Cultivating $1, hoeing $2.50,	3 50

July 10	Bradleys complete corn manure, 600 pounds,	12 00
" "	Applying fertilizer and cultivating,	2 00
Sept. 18.	Cutting, binding and stooking,	6 00
" "	Husking 215 baskets, 35 pounds each at three cents,	6 45
	Rent of land, (value for firming purposes, 50 cents per acre,	3 00
	Cost of crop,	$60 57

Of this, I contributed, in seed and labor, $25.57, and Mr. Westcott, in land and fertilizer $35. In return for this, we have

1895. *Cr.*

Oct. 21.	By 94 bushels shelled corn at 50 cents,	$47 00
"	$4\frac{2}{3}$ tons fodder at $7 per ton,	32 66
	Value of crop,	$79 66
	Half of this is,	$39 83

Which gives Mr. Westcott a profit of $4.83, and me a profit of $14.26. By a slightly different standard, the committee of the Hampshire, Franklin and Hampden society places Mr. Westcotts profit, at $6.39, and mine at $15.41. It should also be noted that, in both these reckonings, no account is taken of the improvement of the land, which will certainly make Mr. Westcott's profit equal to or greater than mine.

J. C. Dillon.

The acre of corn entered for premium, grown on turf land that was plowed in November, 1894. The soil is a heavy loam with hard-pan subsoil. Previous to the year 1895 it has had no fertilizer for seven years.

Barnyard manure was applied in the spring at the rate of fifteen loads to the acre also 300 pounds of commercial fertilizer to the acre used in the hill. Rows three and one-half feet apart each way. Cultivated and hoed twice. Oct. 19 your committee selected and husked a rod. The corn on this rod weighed 47 pounds. No soft corn. Weight of corn on acre 7,520 pounds at 80 pounds per bushel gives 94 bushels.

Cr.

By 94 bushels of corn at 50 cents,	$47 00
" four and one-half tons stover at $5 per ton,	22 50
Total income,	$69 50

Dr.

Cost of growing, one-half manure to crop,	22 00
Balance in form of crop,	$47 50

L. W. West.

REPORT ON POTATOES.

The half acre of potatoes I entered for the society's premiums was grown on a rather light loam with a gravelly subsoil, which last year produced only sorrel and an occasional white weed. It was plowed April 25, harrowed thoroughly with Acme harrow, furrowed with two-horse plow, six inches deep, rows 38 inches apart. Dropped halves of small potatoes, two to four ounces, Early Maine, 18 inches apart, and covered with hand hoes two inches deep. May 8, spread stable manure at the rate of five cords to the acre in the rows May 10, harrowed lengthwise of furrows with Acme harrow lapping half. May 23, harrowed crosswise with Acme harrow, also lapping half. I had thus, on May 28, a thoroughly clean level plot, with perfect rows of potatoes growing in a deep mellow bed. The only after cultivation they needed or got was one cultivating and one horse hoeing, which left them in low wide hills; and about an hours work pulling out the few weeds that had escaped the harrow and cultivator. Of course we had to fight the bugs. The season was not favorable to this kind of land; nevertheless I secured a fair crop. An average rod, dug for your committee, yielded 108 pounds, almost all marketable. This is at the rate of 288 bushels to the acre. From this, I estimate the cost and yield of the half-acre as follows:

Plowing $1, harrowing 50 cents, marking and furrowing $1.25, seed five bushels at 30 cents $1.50, plantnig $1.50, two and one-half cords manure, $12.50, drawing and applying $2.50, Harrowing 50 cents, cross-harrowing 50 cents, cultivating and horse-hoeing $1, plaster and paris green 75 cents, applying 50 cents, digging $7. Total cost $31. Value of crop 144 bushels at 40 cents $57.60. Profit $26.60. As soon as the potatoes were dug Aug. 21, I plowed the land, harrowed with the Acme harrow, and sowed clover and grass seed and now there is good promise of two tons to the acre next year.

J. C. Dillon.

REPORT ON ONIONS.

The land on which this crop grew is a heavy loam, it having produced onions for the past three years. The land was plowed in October, and

barn-yard manure applied in the winter at the rate of sixteen loads per acre, also 400 pounds E. Frank Coes fertilizer and 400 pounds cotton seed meal, applied broadcast just before planting. The soil was made fine and seed planted April 22 in drills 14 inches apart. Your committee selected a rod and September 23 the onions were cut and harvested with the following results:

Total weight of rod, 316 pounds, total weight per acre, 50,560 pounds, or 972 bushels and 12 pounds. Credit by 972 bushel and 12 pounds at 30 cents per bushel, $291.67.

Cost of cultivation,	$55 00
" " Manure,	24 00
" " Feitilizer and cotton seed,	11 20
" " Seed,	5 50
	$95 70
Balance in favor of crop,	$195 97

F. O. Williams.

REPORT OF COMMITTEE ON FIELD CROPS.

Mr. John W. Kellogg, Secretary Hampshire Agricultural Society:

Dear Sir:—I have completed the work of committee on field crops and found the following persons entitled to premiums:

J. C. Dillon, first and second on corn, best acre,	$5 00	$3 00
F. O. Williams, first on onions, best one-half acre,		5 00
J. C. Dillon, first on potatoes, best one-half acre,		5 00
L. W. West, third on corn,		2 00

The yield of Mr. Dillon's corn was remarkable, 122 bushels of shelled corn to the acre shows thorough work and good season for corn. The estimate was fair and the yield I think would amount to the above figures.

Yours Respectfully,

James Comins.

TREASURER'S REPORT.

J. W. Kellogg, Treasurer, in account with the Hampshire Agricultural Society:

RECEIPTS.

To cash on hand,	$47	60
" Received from Bicycle Club,	15	00
" Sept. 24, Gate receipts, first day,	59	75
" " " Entrance money, 2-45 class,	125	00
" " " " " colt race,	10	00
" " 25, Gate receipts, second day,	436	70
" " " Entrance money, 2-35 class,	160	00
" " " " " 2-29 "	140	00
" " " " " Bicycle race,	3	00
" From pedlers,	73	00
" Sale of score cards,	4	05
" Grand stand tickets,	23	15
" Bounty from State,	600	00
" Mass. Agricultural College tickets,	40	00
" Life members,	37	50
" Donations to Society,	43	10
		$1817 85

DISBURSEMENTS.

By paid Amherst Savings Bank interest,	$27	00
" " " " "	27	40
" Carpenter & Morehouse, printing,	20	00
" " " "	71	75
" Telephone,		80
" Express on state reports,	1	00
" Mailing calls for institutes,		70
" " Premium lists and reports,	3	00

" "	Entre blanks for trotters,	2 30
" "	Complimentary tickets,	1 26
"	For bill posting,	2 50
" " " "	B. H. Averell,	75
" "	Telegram (25), telephone (35),	60
" "	Entry books,	50
" "	L. A. W. Right to have bicycle race,	1 00
" "	New brush (bill posters)	50
" "	cleaning out road after the hail storm,	75
"	Tillson and Wilbur for exhibition race,	2 00
"	Truman Thayer, 2 days work,	3 00
"	Charles Buxton, " " "	2 00
"	Royal Aldrich, " " "	4 00
"	Harvey White, " " "	4 00
"	Wm. H. Smith, " " "	4 00
"	Marshal's bills, " " "	8 00
"	Miss Lessie Wrigley, ½ days work,	50
"	E. C. Parker, " " "	1 00
"	John A. Noble, work on fence, July 1,	14 45
" " " "	pens, fence and sheds,	135 27
"	Jerry Cashman, work on fence,	3 00
"	Charles Williams, brushing track,	3 00
"	James Comins, judging field crops,	3 00
"	Eva J. Boynton, cleaning hall,	2 00
"	James Wiley's bill,	9 25
"	Whately Band,	25 00
"	Homer Foot & Co's. bill for rope and ties,	10 47
"	E. A. King's bill,	7 00
"	Slate & Reed, bill, hay and grain,	9 19
"	D. H. Tillson and assistant,	6 00
"	S. A. Phillips, new pump,	4 99
"	John Thompson, dinners,	7 25
"	George P. Smith, expence of bicycle parade,	6 00
"	E R. Bennett, three medals for bicycle race,	17 50
"	The Lanney Printing Co., circulars,	8 25
"	George E. Bosworth, repairs on hall, 1894,	15 00
"	Secretary and Treasurer,	75 00
"	L. M. Payne, expert judge on horses,	5 00
"	F. A. Fish, " " " cattle,	5 00

" Rufus Smith, expert judge on cattle,	5 00	
" A. M. Lyman, " " " sheep and swine,	5 00	
" Purses, 2-45 class,	125 00	
" " 2-35 "	200 00	
" " 2-29 "	200 00	
" " Colt race,	20 00	
" Premiums,	650 19	
" Cash on hand,	55 73	
		$1817 85

LIABILITIES.

Notes at Amherst Savings Bank,	$900 00	
Interest on same Jan. 1st,	27 00	
Premiums on field crops estimated at,	15 00	
Estimated cost of reports and call,	25 00	
		$967 00
Cash on hand,		53 73
		$912 27

AUDITOR'S REPORT.

AMHERST, MASS., DEC. 23d, 1895.

This is to certify that I have this day examined the vouchers and accounts of J. W. Kellogg, treasurer of the Hampshire Agricultural Society, and find them correct, the payments accompanied by proper vouchers, with balance of cash in the treasury of fifty-five and $\frac{73}{100}$ dollars ($55.73).

E. D. BANGS, Auditor.

LIST OF MEMBERS.

This list taken with the report and transactions of 1892, of which there are a plenty in the hands of the Secretary make a complete list of members as far as can possibly be obtained.

1893.

Edwin M. Fisher, Ludlow,
Fred W. Warner, Westfield,
Mrs. Rose McQueston, Hadley,
Thomas F. Ryan, Amherst,
H. E. Wallis, Holland,
E. O. Williams, Montague,
B. F. Howard, Sunderland,
F. O. Williams, "
F. L. Conant, North Hadley,
Mrs. C. M. Conant North Hadley,
Miss Fanny Cowles, Amherst,

1894.

Dr. H. B. Perry, Amherst,
W. C. Taylor, Springfield,
Eva B. Brooks, Amherst,
Rachel B. Brooks, Amherst,
Sumner C. Brooks, Amherst,
W. J. Cunningham, Hadley,
E. W. Smith, Amherst,
G. Henry Clark, Northampton,
W. D. Murray, North Hadley,
John D. Tillson, Amherst,
George H. Atkins, South Amherst,
Henry E. Hibbard, North Hadley,
A. S. Shaw, South Amherst.

1895.

D. F. Shumway, Belchertown,
Miss Jennie M. Allen, Amherst,
Frank E. Thornton, Pelham,
A. L. Kingsbury, Northampton,
C. C. Lewis, "
John Simpson, "
A. F. Bardwell, Amherst,
A. M. Lyman, Montague.

FORTY-SEVENTH ANNUAL REPORT.

TRANSACTIONS

OF THE

HAMPSHIRE AGRICULTURAL SOCIETY,

FOR THE YEAR 1896.

AMHERST, MASS.:
PRESS OF CARPENTER & MOREHOUSE,
1896.

OFFICERS FOR 1896.

PRESIDENT.

GEORGE P. SMITH, - - - - Sunderland.

VICE-PRESIDENT.

JOHN McQUESTON, - - - - Hadley.

SECRETARY.

HERBERT SABIN, - - - - Amherst.

TREASURER.

HERBERT SABIN, - - - - Amherst.

EXECUTIVE COMMITTEE.

E. P. BARTLETT, - - - - Pelham
E. T. SABIN, - - - - - Amherst.
HOMER L. COWLES, - - - North Hadley.
F. O. WILLIAMS, - - - - Sunderland.
A. B. HOWARD, - - - - Belchertown.
W. L. BOUTWELL, - - - - Leverett.

DELEGATE.

WM. P. BROOKS, - - - - Amherst.

CONSTITUTION

OF THE

Hampshire Agricultural Society.

ARTICLE I.

Object.—The object of the Society shall be the attainment and diffusion of scientific and practical knowledge in the cultivation of the soil and the raising of its various useful productions, as comprehended in the several departments of Agriculture, Horticulture and Pomology.

2d. Encouragement to the introduction and raising of Improved Breeds of Stock.

3d. Encouragement to Domestic Manufactures.

ARTICLE II.

Annual Meeting.—On the last Wednesday of December of each year, the Society shall hold its Annual Meeting at Amherst, for the choice of Officers, as follows, to wit:—a President, one Vice-President, six Trustees, a Secretary, a Treasurer and an Auditor:—all of whom shall be elected by ballot, and shall hold their office for one year, and until others are chosen in their stead: at which time and meeting also, the Society may transact any other business which the interests of the Society may require.

ARTICLE III.

Quorum.—Ten members shall constitute a quorum for doing business at any meeting of the Society.

ARTICLE IV.

Executive Committee.—The President, Vice-President and Trustees, the Secretary and Treasurer, shall constitute the Executive Committee, to whom shall be entrusted the general administration of the affairs of the Society: who shall determine the scheme of premiums to be offered, establish the rules regulating the Exhibitions and Fairs held by the Society; call special meetings of the Society when they shall deem it desirable; and generally shall concert and put in execution such measures as in their opinion shall best secure the objects contemplated in the first article of the Constitution; and at all meetings of the Executive Committee, four members thereof shall make a quorum for the transaction of business.

ARTICLE V.

Duties of President and Vice-President.—The President, and in his absence the Vice-President, shall preside at all meetings of the Society, and at all meetings of the Executive Committee.

ARTICLE VI.

Duties of Secretary.—The Secretary shall keep a true record of the proceedings at all meetings of the Society and of the Executive Committee; give notice of all meetings in such manner as the President shall direct; conduct the correspondence of the Society; and perform all other such duties as the interests of the Society require, under the general supervision of the Executive Committee.

ARTICLE VII.

Duties of Treasurer.—The Treasurer shall collect and have custody of the funds and property belonging to the Society: shall keep proper books of account, wherein the receipts and payments of all moneys shall be entered; shall at the annual meeting make a report of the receipts and disbursements of the treasury; and shall give bonds to the Society in such sum as the Executive Committee shall require for the faithful discharge of the duties of his office.

ARTICLE VIII.

Duties of Auditor.—The Auditor shall inspect the accounts of the Treasurer, and his vouchers for the same; examine the notes and other securities for the vested funds of the Society; and certify his opinion and judgment thereof at the annual meeting.

ARTICLE IX.

Salaries.—The Secretary, Treasurer and Auditor, shall receive such salaries for their services as the Executive Committee shall determine; and the Executive Committee shall also fix the compensation of all Officers and Committees when acting in the service of the Society.

ARTICLE X.

Membership.—Any male who has paid or who shall hereafter pay to the Treasurer the sum of *Five Dollars* or any *Female* who shall hereafter pay to the Treasurer *Two Dollars and Fifty Cents* shall be a *Life-Member* of the Society.

ARTICLE XI.

Amendments.—This Constitution may be revised or amended at any annual meeting of the Society, by a vote of the majority of the members then present and voting thereon; provided at least two weeks' notice to that effect has been given in the local paper.

LIST OF PREMIUMS AWARDED.

Class 2—Fancy Cattle.

James Fales, Pelham,	$ 4 00

Class 5—Milch Cows.

John McQueston, Hadley, Grade Holstein,	3 00
H. W. Owen, Amherst, Jerseys,	6 00
" " " Grade Jerseys,	3 00

Class 6—Herds of Milch Cows.

John McQueston, Hadley, Grade Holstein,	5 00
H. W. Owen, Amherst, Grade Jerseys,	4 00
" " " Registered Jerseys,	5 00

Class 7—Heifers.

James Comins, Hadley, Grade 2-years-old,	3 00
John McQueston, Hadley, Grade 2-years-old,	2 00
H. W. Owen, Amherst, " " 1-year-old,	2 00
" " " Pure Bred Jerseys,	7 00

Class 8—Bulls.

C. A. Eastman, North Amherst, Registered Jersey, 2 years,	4 00
John McQueston, Hadley Registered Holstein, 3 years,	4 00
H. W. Owen, Amherst, Registered Jersey, 2 years,	2 00

Class 9—Calves.

John McQueston, Hadley, Grade Holstein,	5 00
W. A. Magill, Amherst, Registered Jersey,	2 00
H. W. Owen, " " "	2 00

Class 10—Swine.

E. N. Fisher, Ludlow, Litter of weaned pigs,	4 00
A. M. Lyman, Montague, Belted Swine,	12 00
E. W. Tuttle, Hadley, Sow with pigs,	3 00
" " " Weaned pigs,	1 00
" " " Boar,	2 00

H. F. Williams, So. Deerfield, Sow with pigs, 5 weeks,	4 00
" " " " " " 4 "	1 00
F. O. Williams, Sunderland, Boar,	4 00
" " " Weaned pigs,	3 00
" " " Shoats,	4 00
L. W. West, Hadley, Boar,	3 00

CLASS 11—SHEEP.

C. W. Greene, Hadley, Buck,	2 00
" " " 25 Sheep,	2 00
" " " 8 Ewes,	1 00
" " " 8 Lambs,	3 00
L. W. West, Hadley, Buck,	3 00
" " " 25 Sheep,	5 00
" " " 8 Ewes,	2 00
" " " 8 Lambs,	3 00
John McQueston, Hadley, Buck,	1 00
" " " 25 Sheep,	3 00
" " " 8 Ewes,	3 00
" " " 8 Lambs,	2 00

CLASS 12—POULRY.

E. N. Fisher, Ludlow, Trio Light Brahmas,	1 50
" " " White Plymouth Rocks,	75
" " " Silver Spangled Hamburgs,	1 50
" " " Laced Wyandottes,	1 50
" " " Black Minorca,	1 50
" " " Rose-comb B. Leghorn,	1 50
" " " " White "	1 50
" " " White Wyandotte,	1 50
Tom McGee, Amherst, Golden penciled Hamburgs,	1 50
George H. Cadwell, Amherst, Barred Plymouth Rocks,	1 50
" " " " " "	75
F. S. Cooley, Amherst, Laced Wyandottes,	75
J. B. Brannan, Pelham, Light Brahmas,	75
" " " Long-tailed Phoenix,	1 50
" " " Spangled Hamburg,	75
" " " Imperial Pekin Ducks,	1 50
" " " " " "	75
" " " Game Bantams,	75

G. G. Graves, Amherst,	White P. Rocks,	1 50
Fred F. Dewey, Belchertown,	Red-game Bantams,	1 50
" " "	Partridge Cochin Chicks,	75
" " "	" " Fowls,	1 50
" " "	Single-comb B. Leghorn Chicks,	75
" " "	" " "	1 50
H. F. Joy, So. Amherst,	Rose-comb B. Leghorn,	75
A. L. Kingsbury, Northampton,	Buff Leghorns,	1 50
" " "	Golden Wyandottes,	1 50
" " "	" "	75
" " "	Buff Cochin Bantam,	1 50
G. Henry Clark, Northampton,	Black Sumatra Games,	1 50
" " "	Red-pike Games,	75
" " "	B. B. Red "	1 50
" " "	Dark Brahmas,	1 50
" " "	" "	75
C. C. Lewis, Northampton,	White Leghorns,	1 50
" " "	" "	75
" " "	Black Minorcas,	75
J. C. Dillon, Amherst,	Games,	1 50
" " "	American Dorkins,	75

CLASS 13 1-2—OLD ARTICLES.

Fannie C. Cowles, Amherst,	Counterpane,	50
Mrs. E. C. Parker, Amherst,	Collection of Old Articles,	75

CLASS 15—MERCANTILE GOODS.

E. D. Marsh, Amherst,	Furniture,	8 00
O. G. Couch, "	Crockery and Groceries,	6 00
J. F. Page, "	Boots, Shoes and Rubbers,	4 00

CLASS 16—DOMESTIC AND OTHER MANUFACTURES.

Mrs. C. C. Sabin, Amherst,	Knit Rug,	60
" Henry Shumway,	Silk bed-quilt,	1 00
Bertha Phelps, No. Amherst,	Rugg,	80
Mrs. E. C. Parker, Amherst,	Silk Quilt,	75
" " " "	Slumber-robe,	75
" Isaac King, "	Outlined Quilt,	70
" E. A. Davis, "	Rug,	75
Fannie C. Cowles, "	Rug,	50

Mrs. G. H. Burrows, West Pelham, Crazy-quilt,	50
" G. H. Burrows, " " Log-cabin Quilt,	1 00
" F. Fiske, Amherst, Quilt,	50

Class 17—Fancy Articles.

Mima McRae, Amherst, Tidy,	25
" " " Rope Basket,	25
" " " Doily,	25
Mrs. S. W. Boutwell, Leverett, Two Doilies,	1 00
Lessie Wrigley, Amherst, Pincushion.	25
" " " Crochet Mats,	25
" " " " Tidies,	50
Mrs. Herbert Goodrich, Amherst, Sofa Pillow,	75
Mima McRae, Amherst, Bureau Scarf,	25
" " " Table-spread,	25
Miss Mary Britt, Amherst, Handkerchief Case,	50
Clara B. Mullen, Hadley. Braid-lace,	25
Miss C. Fay, Northampton, Tray-cloth,	25
" " " Embroidered Table-spread,	75
Mrs. M. C. Morehouse, Amherst, Bureau-cover.	50
" " " " Felt Table-mat,	25
" " " " Sofa-pillow Cover,	50
Mrs. Chas. Eastman, No. Amherst, Fascinator,	25
" " " " Apron,	25
Mrs. F. Fiske, Amherst, Organ-stool Cover,	25
Bertha Phelps, No. Amherst, Fancy Mat,	25
Mrs. M. E. King, Amherst, 2 Tidies,	50
Mrs. G. H. Burrows, West Pelham, Apron,	50
" " " " Pillow-shams.	50

Class 18—Fine Arts.

Mrs. Greene, Amherst, Paintings,	2 50
Annie J. Lentell, " "	2 00
Mrs. M. C. Morehouse, Amherst, Paintings.	1 50
Helen E. Allen, Amherst, Collection of Paintings,	2 00
C. R. Kenfield, " Photographs,	1 00
Miss C. Fay, Northampton, Charcoal Drawings,	1 00

Class 19—Bread, Butter and Cheese.

Mrs. T. L. Paige, Amherst, Rye Bread,	50
" " " " Rye and Indian,	75

Bertha Phelps, No. Amherst, "	50
Mrs. M. C. Morehouse, " Wheat Bread,	75
Mrs. O. S. Williams, " " "	50
" Chas, Comins, No. " Rye "	75
" " " " " Graham "	75
" H. M. Thomson, " " "	50
W. L. Boutwell, Leverett, Dairy Butter,	3 00
Mrs. Chas. Eastman, No. Amherst, Dairy Butter,	2 00

CLASS 20—HONEY, WINES AND JELLIES.

Mrs. Sarah A. Osgood, Amherst, Canned Fruit,	1 00
" " " " Pickles,	25
Mrs. S. W. Boutwell, Leverett, Canned Fruit and Jelly,	2 50
E. N. Fisher, Ludlow, Honey,	1 00
Mrs. H. M. Thomson, Amherst, Jelly,	1 00
" " " " Pickles,	75
" Chas. Eastman, No. " Canned Fruit,	3 00
" C. E. Stebbins, So. Deerfield, Maple Sugar and Syrup,	1 50

CLASS 21—FRUIT.

J. C. Dillon, Amherst, Display,	3 00
A. B. Howard, Belchertown, Best Display,	4 00
" " " Basket,	2 00

CLASS 22—FRUIT GROWN BY EXHIBITOR.

H. D. Dana, Amherst, Collection Apples,	3 00
" " Plate Baldwins, Greenings and Russets,	1 50
A. B. Howard, Belchertown, Collection of Pears,	4 00
" " " " " Grapes,	4 00
D. H. Tillson, Amherst, " " Quinces,	25
G. L. Cooley, Sunderland, " " Apples,	4 00
J. C. Dillon, Amherst, "	2 00
" " " Pears,	2 00
" " " Grapes,	2 00
Chas. Eastman, No. Amherst, King Apples,	50
G. H. Atkins, So. Amherst, Collection of Apples,	1 00
L. W. Goodell, Dwight, " " Pears,	3 00
" " " " " Grapes,	3 00
A. Gates, Pelham, Cranberries,	75
Dwight Presho, " "	25

Class 23—Vegetables Grown by Exhibitor.

James Comins, Hadley, Ruta-Bagas,		1 00
Chas. Comins, No. Amherst, Collection of Vegetables,		8 00
" " " Exhibition of Onions,		50
" " " Beets,		1 00
" " " Beans,		50
" " " Cabbages,		2 00
E. C. Parker, Amherst,	Pumpkin,	50
" " "	Beets,	50
A. Gates, Pelham,	Pumpkins,	1 00
F. S. Cooley, Amherst,	Peck of Potatoes,	1 00
J. C. Dillon, "	Exhibit of Potatoes,	1 00
" " "	Squashes,	2 00
Chas. Eastman, No. Amherst,	Onions,	1 00
Mrs. Chas. Eastman, No. "	Beans,	1 00
Geo. P. Smith, Sunderland,	Pumpkin,	1 00
F. O. Williams, "	Squashes,	1 00
A. B. Howard, Belchertown,	Potatoes,	2 00
" " "	Tomatoes,	1 00
L. Joy, So. Amherst,	Cabbage,	1 00

Class 23½—Grains Grown bx Exhibitor.

James Comins, Hadley, Sweet Corn,		1 00
" " " Seed "		1 00
" " " Winter Wheat,		1 00
W. L. Boutwell, Leverett, Seed Corn,		2 00
" " " Pop "		2 00
" " " 8-rowed Flint Corn,		1 00
" " " 12-rowed " "		50
" " " trace of Seed Corn,		2 00
E. N. Fisher, Ludlow, Spring Wheat and Rye,		1 00
Chas. Comins, No. Amherst, Rye and Oats,		1 50
Asahel Gates, Pelham, Oats,		1 00
J. C. Dillon, Amherst, Dent Corn,		50
" " " 8-rowed Flint Corn,		50
C. E. Stebbins, So. Deerfield, Winter Wheat,		50
" " " Spring "		1 00
" " " Dent Corn,		1 00
" " " 12-rowed Corn,		1 00
" " " Col. Indian "		3 00

Class 24—Flowers.

L. W. Goodell, Pansy Park. Collection,	3 00
" " " " Asters,	75
" " " " Dahlias,	75
" " " " Pansies,	1 50
" " " " Verbenas,	75
" " " " Gladioli,	1 50
" " " " Nasturtiums,	1 50
" " " " Poppies, Gratuity,	50
" " " " Tuberous Begonias, Gratuity,	50
" " " " Water Lillies, "	50
A. B. Howard, Belchertown, Collection,	1 00
" " " Asters,	1 50
" " " Pansies,	75
" " " Verbenas,	1 50
" " " Phlox, Gratuity,	50
M. B. Kingman, Amherst, Collection,	2 00
" " " Roses,	1 50
" " " Carnations, Gratuity,	50
Mrs. E. C. Parker, " Dahlias,	1 50
" " " " Gladioli,	75
" " " " Nasturtiums,	75
Mrs. S. W. Boutwell, Leverett, Best Bouquet,	2 00
" " " " Wild Flowers,	2 00
" " " " Marigolds, Gratuity,	25

Class 25—Stallions.

F. P. Toole, Amherst,	5 00
D. S. Kennedy, Ware,	3 00
H. C. Graves, So. Deerfield,	2 00

Class 26—Breeding Mares with Sucking Colts.

M. J. Proulx, Hatfield,	4 00
Fred H. Beckwith, Monson,	3 00
John McQueston, Hadley,	2 00

Class 27—Colts and Fillies.

W. F. Collins, No. Hadley, yearling,	3 00
L. M. Russell, Hadley, "	3 00
" " " "	2 00

D. H. Tillson, Amherst, 2-years-old,		3 00
E. F. Strickland, " "		3 00
O. P. Gaylord, " 3-years-old,		2 00
T. G. Powers, " "		1 00
C. P. Bolles, Wilbraham, "		3 00
Oliver Cowles, So. Deerfield, "		3 00
A. M. Lyman, Montague, "		2 00
A. L. Hubbard, Sunderland, "		1 00

CLASS 28—FARM HORSES.

A. M. Lyman, Montague, pair,		4 00
A. W. Chase, Amherst, "		3 00

CLASS 29—NO ENTRIES.

CLASS 30—CARRIAGE HORSES.

A. M. Lyman, Montague, Single,		4 00
E. F. Wiley, Sunderland, "		3 00
W. J. Cunningham, Hadley, "		2 00
E. J. Clark, No. Amherst, "		1 00
G. F. Hobart, " Pairs,		4 00
E. A. Farrington, Belchertown, "		3 00
R. M. Smith, Hadley, "		2 00

CLASS 31—ROADSTERS.

B. F. DeWitt, So. Hadley, Single,		2 00
G. F. Hobart, No. Amherst, Pair,		4 00
J. L. Bosworth, Southampton, "		3 00
R. S. Gaylord, Hadley "		2 00

TROTTING RACES.

2-45 Class, Purse $125.

C. S. Sherman,	Hopeful,	62 50
L. P. Wyman,	Meg,	31 25
Ed. Everett,	Selina,	18 75
C. P. Pettis,	Jack Bobbit,	12 50

Colt Race, Purse $50.

A. H. Graves,	Connie T.,	25 00
M. E. Wilcox,	Hotspur,	15 00
C. P. Bolles,	H. T.,	10 00

2-35 Class, Purse, $200.

L. P. Wyman,	Orphan Girl,	100 00
C. C. Winchester,	Madgar.	50 00
C. S. Sherman,	Hopeful,	30 00
A. H. Graves,	Connie T.,	20 00

2-26 Class, Purse $200.

M. E. Wilcox,	M. E. W.,	100 00
S. H. Ellery,	Eros, Jr.,	50 00
Dan. Kennedy,	Longshot,	30 00
T. Hurlihy,	Albert H.,	20 00

RUNNING RACE—PURSE $25.

George Parker, Amherst,	12 50
Oliver Cowles, So. Deerfield.	7 50
N. J. Powers, Amherst,	5 00

FIELD CROPS.

G. L. Comins, Onions,	5 00
F. O. Williams, "	4 00
Chas. L. Comins, "	2 00
" " Potatoes,	4 00
J. C. Dillon, "	5 00
" " Corn,	2 00
" " "	4 00
Henry Tillson, "	5 00

M. A. C., Gratuity for display,	75 00

REPORTS.

REPORT ON CORN.

The following is a report for an acre of corn entered by me in the Hampshire Agricultural Society for premium.

I plowed the land in the fall of 1895. In the last of April 1896 went over it with a spring tooth harrow. The 11th and 12th of May spread 4 tons of barn yard manure on the piece, worked it into the soil with a wheel harrow, also went over the piece with the smoothing harrow and lump-crusher; then marked it out both ways to have the hills and rows three and one-half feet apart. Dropped 300 lbs. of the Great Eastern Fertilizer in the hill and planted it by hand with the Golden Triumph Yellow Dent corn the 13th and 14th of May. Cultivated it both ways twice and hoed it twice. Sept. 17 James Comins came staked out one square rod and Oct. 23, came and we husked and weighed the ears, 60 lbs. Allowing that it would take 80 lbs. of the ears to make a bushel of shelled corn when dried it would make 120 bushels shelled corn per acre.

Dr.

Plowing,	$2 00
Drawing and spreading manure,	4 00
Fitting the land,	3 00
Cultivating and hoeing,	6 00
Harvesting,	12 00
One-fourth bnshel seed corn,	50
One-half value of manure,	10 00
Fertilizer,	4 50
Use of land,	6 00
	$48 00

Cr.

120 bushels corn at 40 cents,	$48 00
Stover, 2 tons,	10 00
	$58 00

Very Respectfully Yours,

HENRY TILLSON.

To the Secretary of the Hampshire Agricultural Society:—

The two acres of corn offered for premiums were both grown on shares.

Acre No. 1 was raised for W. S. Westcott of Amherst he furnishing land and fertilizer, and I furnishing seed and labor; the crop to be divided equally. The land is a sandy loam. and, having been mown a good many years without any manure, the grass crop was very light. The following is a statement of the process and cost of producing the crop of corn:

1896.		
May 27,	Plowing $2, harrowing 75 cents,	$2 75
" 29,	Marking 50 cents, planting $1, seed 25 cents,	1 75
June 1,	Applying fertilizer (1000 lbs. Bradley's complete corn manure) along the rows,	1 00
"	Harrowing with Acme harrow,	37
" 23,	Applying 500 lbs. Bradleys C C manure broadcast,	50
"	Cultivating and hoeing (very little hoeing),	2 00
July 11	Applying 500 lbs. Bradley's C. C. manure broadcast,	50
"	Cultivating and hoeing,	2 00
Sept. 10,	Cutting, binding and stacking,	5 00
Oct. 20,	Husking (estimated) 188 baskets ears at 13 cents,	5 64
		$21 51

Two average rods of this corn, selected, harvested, and weighed by your committee, weighed respectively 49 and 45½ lbs. of ears. The average of these two samples is 47¼ lbs. which would give a total yield of 7560 lbs. or, allowing 80 lbs. of ears to the bushel, 94½ bushels of shelled corn.

From several careful experiments I find the yield of stover, under my system of cultivation, to average one sixth more than the weight of the ears; and, on this bases, I estimate the yield of Stover, on this acre, at 4$\frac{8}{20}$ tons. From all the premises I gather the following results: John C. Dillon, in account with Acre No. 1, *Cr.*

By 47¼ bushels of shelled Northern corn (my half of crop) at 40 cents per bushel,	$18 90
By 2$\frac{4}{20}$ tons of corn stover at $6 per ton,	13 20
	$32 10
Deduct cost of labor and seed as above,	21 51
Profit,	$10 59

In other words my 47¼ bushels of corn has cost me in labor $8.31, or rather less than 18 cents a bushel.

Acre No. 2 was raised on land in my own occupation, and was part of an acre and a half raised in partnership with my son, Thomas C. Dillon, who is a coal dealer in Amherst; he furnishing seven and a half cords of stable manure, mostly delivered and spread on the land, and each party also furnishing 500 lbs. of Bradley's Complete Corn Manure. The land was a sandy loam, and for several years the crop of grass had barely paid for harvesting. Except as stated, and that the planting and other processes were performed a few drys earlier, the cultivation of acre No. 2 was precisely as described in the case of No. 1, and may be summed up as follows:

Plowing, harrowing, planting, cultivating and harvesting,	$13 50
333 lbs. Bradley's Complete Corn Manure,	6 66
Husking 182 baskets at 3 cents,	5 46
	$25 62

Two average rods, selected, harvested, husked and weighed by your committee, yielded respectively, 47½, and 43½ lbs. an average of 45½ lbs. of ears. This would give a yield per acre of 7280 lbs. of ears, or 91 bushels of shelled corn. And by the same standard the yield of Stover would be 8493 lbs. say 8¼ tons, making my account with the crop as follows:

John C. Dillon in account with acre No. 2, *Cr.*

By 45½ bushels of Northern shelled corn (his half of the crop) at 40 cents per bushel,	$18 20
By 2⅛ tons of Fodder at $6,	12 75
Value of my half of crop,	$30 95
Deduct cost of labor and my share of fertilizer,	25 56
Profit,	$5 39

This is not a large margin; but it must be borne in mind that the price of corn is unusually low, and that nothing is allowed for the unexpended value of the manure, and in this connection it should be stated that both pieces were sown to clover and grass at the last hoeing, and give promise of an abundant yield of hay the next and several following harvests. I exhibited specimens of this corn at the Fair, and was awarded one first and one second premium.

J. C. Dillon.

REPORT ON POTATOES.

The half acre of potatoes was grown on sandy loom, which had produced about ten hundred weight of hay each of the two preceding years. It was plowed, May 8th, eight inches deep, harrowed thoroughly, furrowed six inches deep, rows 38 inches apart. Dropped halves of small potatoes, 2 to 4 oz. 18 inches apart, and covered with hand hoe two inches deep. May 19th, sowed 500 lbs. Bradley's complete potato manure, along the rows and harrowed the piece with the Acme harrow. A few days later I again harrowed the piece with the Acme harrow. Cultivated once, horse hoed once, and spent about an hour, July 1st. pulling the few weeds which had escaped the cultivator and horse hoe. Dusted with plasted and Paris green once. Aug. 29th your committee selected, dug and weighed an average rod, which yielded 105 lbs. This is at the rate of 140 bushels on the half acre. I estimate the cost of the crop: Labor, $18.50; fertilizer, $10; plaster etc., 75 cents; total cost, $29.25. Value of crop, 140 bushels at 45 cents per bushel, $63. Profit, $33.75. In one row I put about 50 lbs. extra of Bradley, and planted squashes between the potato vines. I thus obtained ten hundred weight of very fine squashes, some of which I exhibited at the Fair, and they were awarded the first premium of $2. I was also awarded the second premium of $1 for exhibit of potatoes.

J. C. Dillon.

To the Committee on field crops of Hampshire Agricultural Society:

You here find a statement of the half acre of potatoes entered for premium in 1896.

The soil of sandy loam was treated to an application of barn yard manure in the years 1896, 1892, 1888 and 1884 and as the former owner writes "some good fertilizers in the row" or drill and planted to potatoes followed by rye each time and then by grass mowed one year and pastured the next which kept it in a fair state of cultivation and fertility.

The present half acre was treated to about 2 cords of barnyard manure estimated worth $3 a cord allowing one-half as yet in the land in an unspent state; also 6 bags of Bradley's potato manure cost $1.65 at the store of S. P. Puffer, North Amherst, variety "Empire State."

Account.

To the use of land,	$2 00
" ½ manure and application,	5 00
" Plowing and harrowing,	2 00
" ½ of 6 bags 100 lbs. manure,	5 00
" Application " " "	1 00
" 6 bushels seed at 16⅔	1 00
" Cutting and planting by hand,	2 00
" Cultivating and hoeing,	1 00
" Paris green and applying,	1 00
" Harvesting,	7 95
" Marketing,	8 20
	$36 15

The returns as estimated by sample rod were as follows:

By 117.3 bushels of potatoes 82 salable at 50 cents,	$41 00
" 32 unsalable worth 10 cents,	3 20
	$44 20
To cost,	36 15
Profit,	$8 05

This statement is correct to the best of my knowledge and belief,

CHAS. L. COMINS.

REPORT ON ONIONS.

FIELD NO. 1.

To the Secretary of the Hampshire Agricultural Society:

The acre of onions entered for the society's premium was grown on a heavy loam, it having produced onions for the past few years. The land was plowed in October to a depth of five inches; barnyard manure was applied in the winter at the rate of fifteen loads per acre, also 700 lbs. E. Frank Coe's "Gold Brand" Fertilizer and 200 lbs. cotton seed meal applied broadcast just before planting; after the second weeding 200 lbs. more of fertilizer was sowed on. The soil was made fine with "wheel" and "Meekin" harrows and seed planted April 23 in drills 14 inches apart at the rate of four and one-half lbs. of seed to the acre. The seed used was Rice's Yellow Globe. The seed came up well, but much of it was destroyed by the maggots.

Aug. 31, your committee selected and measured a square rod which was cut and weighed Sept. 28th, with the following results:

Total weight on rod 174 lbs. or 165 lbs. of merchantable onions and 9 lbs. of small ones, making 535 bushels per acre. The crop was sold direct from the field at 35 cents per bushel.

Credit by 507½ bush. large onions at 35c.,		$177 62
27½ bush. pickelers at 20c.,		5 50
		$183 12
Cost of cultivation,	$55 00	
" manure,	22 50	
" fertilizer and cotton-seed,	16 00	
" seed,	4 50	98 00
Balance in favor of crop,		$85 12

F. O. Williams.

To the Committee on Field Crops of the Hampshire Agricultural Society:

The one-half acre of onions entered for premium was grown on meadow land with the " Great Eastern " fertilizer.

15444 lbs. or 297 bushels at 32.08 cts. a bushel,		$95 28
1400 lbs. fertilizer,	$21 00	
2½ lbs Seed, Yellow Globe,	2 50	
Cost of labor,	26 50	50 00
Profit,		$45 28

Geo. L. Comins.

To the Committee on field crops of the Hampshire Agricultural Society:—

You here find a statement of the half acre of onions entered for premium in 1896:

The soil on which they were grown was strong sandy loam in a good state of cultivation and fertility. The crop was preceded by a crop of potatoes in 1895, then two years in grass the potatoes receiving an application of manure plowed under and some other application of which I cannot tell. As to the present crop it was planted as soon as the land could be worked, having been plowed last autumn, was planted with yellow globe Danvers seed from the Grange store grown by " Rice," as I suppose.

Account,

To use of ½ acre of land,	$4 00
" Plowing ½ acre of land,	1 00
" Harrowing " "	1 00
" Raking " "	1 00
" 1 ton of ashes ¼ spent,	2 75
" 8 cwt. Bradley's "potato manure" ½ spent,	6 60
" Sowing ashes and B's manure,	1 00
" 3 lbs. onion seed at $1.10,	3 30
" Sowing " "	50
" Weeding 4 times at $3.00,	12 00
" Hoeing six times at 75 cents,	4 50
" Harvesting,	7 00
" Drawing to depot,	4 00
	$48 65
By estimated crop 269 bushels at 30 cents,	80 70
Profit to balance,	$32 05

CHAS. L. COMINS.

NEW MEMBERS FOR 1896.

Herbert Sabin, Amherst.
Miss Helen E. Allen, "
Mr. A. W. Chase, "
Geo. F. Hobart, No. "
Chas. L. Comins, " "
Mrs. Chas. L. Comins, No. Amherst.
Geo. L. Comins, No. Hadley.
Fred F. Dewey, Belchertown.
L. M. Russell, Hadley.

TREASURER'S REPORT.

Herbert Sabin, Treasurer, in account with the Hampshire Agricultural Society:

RECEIPTS.

To cash from former treasurer,	$55	73
" First National Bank, on note,	30	00
" Received from Bicycle Club,	13	50
" Sale of grass,	8	00
" Gate receipts first day,	69	20
" Entrance money, 2-45 class,	87	50
" " colt race,	15	00
" Gate receipts second day,	514	61
" Entrance money, 2-26 class,	160	00
" " 2-35 class,	120	00
" Running race,	7	50
" Bicycle race,	6	00
" Grand stand.	32	75
" Rentals,	76	75
" Advertisements,	13	00
" Bounty from State,	600	00
" Life members,	40	00
" Massachusetts Agricultural College tickets,	40	00
" Donations to Society,	79	88
" Balance due treasurer,	64	94
		$2036 86

DISBURSEMENTS.

By paid Carpenter & Morehouse, 1895 bill,	23	00
" Interest at Savings Bank,	27	00
" Stamps and stationery,		86
" Interest on note,		55
" J. C. Dillon, field crops for 1895.	14	00

"	F. O. Williams, field crops for 1895,	5 00
"	G. E. Thayer's bill for 1895,	6 00
"	Nails and spikes,	4 40
"	Expressage on Agricultural Reports,	75
"	Oscar Williams, work on fence,	3 00
"	Note, First National Bank,	30 00
"	E. T. Sabin & Son, work on fence,	20 00
"	" lumber and posts,	19 09
"	Express on posters,	45
"	Badges,	4 10
"	Stamps and postal cards,	1 58
"	Blank books,	10
"	Telephone,	25
"	Express on tickets,	55
"	Ink, pens, and tacks,	55
"	Amherst Savings Bank, interest,	27 40
"	Dinners for band and officers,	10 75
"	H. O. Fiske, expert judge,	10 00
"	A. P. Smith, labor,	1 00
"	J. W. Allen, "	50
"	E. C. Parker, "	2 00
"	Truman Thayer, labor,	3 00
"	George P. Smith, for Marshal,	5 00
"	Nelson Waite, bicycle races and parade,	17 50
"	" posting bills,	3 00
"	" Marshal,	4 00
"	Holland & Gallond's bill,	4 32
"	2-45 class,	125 00
'	Colt race,	50 00
"	2-35 class,	200 00
"	2-26 class,	200 00
"	Running race,	25 00
"	Lanning Printing Company's bill,	8 75
"	Frank Esip, horse for Marshal,	3 00
"	M. C. Harris, labor,	3 00
"	Ned Kellogg, "	35
"	C. H. Hooker, "	4 50
"	E. T. Sabin & Son, labor,	3 00
"	" lumber,	17 34
"	" nails,	40

" Northampton band,	56 80	
" James Wiley & Son,	12 00	
" A. F. Bardwell,	18 00	
" W. D. Cowles, straw,	6 42	
" Edmund Hastings, straw,	2 00	
" Lessie Wrigley, one-half day's labor,	50	
" Mrs. C. C. Sabin, one day's labor,	1 00	
" E. A. King, water bill,	6 00	
" Carpenter & Morehouse, bill,	58 05	
" D. H. Tillson,	4 00	
" M. L. Graves,	4 00	
" W. H. Smith,	4 00	
" C. A. Ballou, poultry expert,	10 00	
" Slate & Reed's bill,	7 10	
" T. L. Paige, barge work,	8 00	
" J. W. Gorman, trained horses,	235 00	
" T. T. Sisson, hay. 1895,	3 50	
" " repairing track,	12 00	
" G. E. Thayer's bill,	7 00	
" Lorenzo Joy, work on track,	8 75	
" Herbert Sabin, secretary and treasurer,	75 00	
" James Comins, judging field crops,	3 00	
" Insurance on hall,	45 00	
" Premiums paid,	554 60	
" Stamps,	60	
		$2036 86

LIABILITIES.

Notes at Amherst Savings Bank,	900 00	
Interest on same, Jan. 1,	27 00	
Due J. W. Gorman,	15 00	
Estimated cost of reports and call,	25 00	
Due treasurer,	64 94	
		1031 94

AUDITOR'S REPORT.

AMHERST, Mass., Dec. 22, 1896.

This certifies that I have this day examined the vouchers and accounts of Herbert Sabin, treasurer of the Hampshire Agricultural Society, and find them correct, the payments accompanied by proper vouchers, with a balance due the treasurer of sixty-four and $\frac{94}{100}$ dollars ($64.94).

E. D. BANGS, Auditor.

FORTY-EIGHTH ANNUAL REPORT.

TRANSACTIONS

OF THE

HAMPSHIRE AGRICULTURAL SOCIETY,

FOR THE YEAR 1897.

AMHERST, MASS.:
Press of Carpenter & Morehouse,
1897.

OFFICERS FOR 1897.

PRESIDENT.

GEORGE P. SMITH, - - - - Sunderland

VICE-PRESIDENT.

FRED S. COOLEY, - - - - Amherst.

SECRETARY.

HERBERT SABIN, - - - - Amherst.

TREASURER.

HERBERT SABIN, - - - - Amherst.

EXECUTIVE COMMITTEE.

E. P. BARTLETT, - - - - Pelham.
JAMES W. ALLEN, - - - - Amherst.
EDWARD P. WEST, - - - - Hadley.
CHARLES K. SMITH, - - - Sunderland.
L. W. GOODELL, - - - - Belchertown.
A. M. LYMAN, - - - - - Montague.

DELEGATE.

WILLIAM P. BROOKS, - - - Amherst

List of Premiums Awarded.

CATTLE SHOW SEPT. 28.

FIRST DIVISION.

Class 1—Town Teams.

Town of Hadley,	$ 7 00

Class 2—Fancy Cattle.

James Fales, Pelham,	4 00
Almon L. Pratt, Belchertown,	2 00
R. M. Smith, Hadley,	1 00

Class 3—Working Oxen.

George E. Smith, Hadley,	4 00
W. D. Randolph, Belchertown,	2 00
R. M. Smith, Hadley,	1 00

Class 4—Steers

R. M. Smith, Hadley,	3 00

Class 5—Milch Cows.

H. W. Owen, Amherst, Pure Jersey,	3 00
" " " " "	1 00
Geo. W. Fitch, " " "	2 00
F. S. Cooley, " Grade Guernsey,	3 00
B. F. Kellogg, " " Jersey,	2 00
H. W. Owen, " " "	1 00

Gratuities on Grades.

H. W. Owen,	2 00
H. F. Williams,	2 00
Geo. W. Fitch,	1 00
B. F. Kellogg,	1 00

Class 6—Herds of Milch Cows.

H. W. Owen, Amherst, Pure Jerseys,	10 00
Geo. W. Fitch, " " "	6 00
H. F. Williams, So. Deerfield, Grade Guernseys,	10 00
H. W. Owen, Amherst, " Jerseys,	6 00
F. S. Cooley, " " cows,	4 00
L. A. Shaw, " " " Gratuity,	2 00

Class 7—Heifers.

H. W. Owen, Amherst, 2 years old, Pure Jersey,	3 00
H. F. Williams, So. Deerfield, 2 years old, Pure Guernsey,	2 00
Geo. W. Fitch, Amherst, Gratuity, " " Jersey,	50
H. W. Owen, " 1 year old, Pure Jersey,	2 00
Geo. W. Fitch, " " " "	1 00
F. S. Cooley, " 2 years old, Grade "	3 00
H. F. Williams, So. Deerfield, " " Guernsey,	2 00
W. A. Magill, Amherst, " Pure Jersey, Gratuity,	50
H. F. Williams, So. Deerfield, 1 year old, Grade Guernsey,	2 00
C. L. Comins, Amherst, " " Holstein,	1 00
Geo. W. Fitch, " Gratuity, " " Jersey,	50
C. P. Jewett, Pelham. " " "	50

Class 8—Bulls.

H. F. Williams, So. Deerfield, Pure Guernsey,	4 00
H. W. Owen, Amherst, " Jersey,	4 00
C. A. Eastman, No. Amherst, " "	2 00
G. W. Fitch, " " " Gratuity,	1 00
W. A. Magill, " " " "	1 00

Class 9—Calves.

G. W. Fitch, Amherst, Jersey, Bull,	2 00
C. A. Eastman, No. " " "	1 00
H. W. Owen, " " Heifer,	2 00
C. A. Eastman, No. " " " Gratuity,	50
H. F. Williams, So. Deerfield, Pure Guernsey,	1 00

Class 9½—Trained Calves.

No entries.

Class 10—Swine.

F. O. Williams, Sunderland, Pure bred Boar,	4 00
" " " Sow with pigs,	4 00
" " " Shoats,	4 00
H. F. Williams, So. Deerfield, Pure bred Boar,	3 00
" " " Litter of weaned pigs,	4 00
L. W. West & Son, Hadley, Grade boar,	2 00
" " " " Sow with pigs,	3 00
L. A. Shaw, Amherst, Litter of weaned pigs.	3 00
A. M. Lyman, Montague, Shoats,	3 00
" " " Belted Swine,	6 00

Class 11—Sheep.

L. W. West & Son, Hadley, 25 sheep.	5 00
" " " " Pure bred buck,	4 00
" " " " " " "	3 00
" " " " Eight ewes,	2 00
C. W. Green, " 25 sheep,	3 00
" " " Grade buck,	2 00
" " " 8 ewes,	3 00
" " " 8 lambs,	3 00
L. A. Shaw Amherst, Grade buck,	3 00
" " " 8 ewes,	1 00
H. Marsh, Belchertown, Grade buck,	1 00

Class 12—Poultry.

G. G. Graves, Amherst. Pr. White Ply. Rock fowls,	1 00
" " " " " " " chicks,	1 00
" " " " " " " "	50
F. S. Cooley, " Silver Wyandottes, "	1 00
" " " Laced " "	50
" " " Rose-comb B. Leghorn chicks,	1 00
" " " S. C. Brown " "	50
F. E. Thornton, Pelham, White Cochin "	1 00
Jas. Brannan, " Partridge " "	1 00
" " " White " "	50
" " " Light Brahma "	1 00
" " " Buff P. Rock fowls,	50

" " " " Cochin chicks,		1 00
" " " Pekin Ducks,		1 00
" " " " "		50
" " " Rose-comb B. Leghorn, chicks,		50
" " " Pigeons,		50
F. F. Dewey, Belchertown, S. C. B. Leghorn chicks,		1 00
" " " Partridge Cochin fowls,		1 00
" " " " " "		50
" " " Minorca chicks,		1 00
" " " B. B. Red-game Bantams,		1 00
C. C. Lewis, Northampton, Dark Brahma fowls,		1 00
" " " " " chicks,		1 00
" " " White Leghorn "		1 00
A. L. Kingsbury, Northampton, Buff Cochin Bantams,		50
G. Henry Clark, " Dark Brahma fowls,		50
" " " Pigeons,		50
" " " Red-pile Games, fowls,		1 00
" " " Black Sumatra Game fowls,		50
" " " Minorca chicks,		1 00
A. E. Ray, Amherst, Buff Plymouth Rock fowls,		1 00
" " " White Wyandotte chicks,		50
G. H. Cadwell, " Barred Plymouth Rock fowls,		1 00
" " " " " " chicks,		1 00
" " " " " " "		50
J. Cartwright, Northampton, S. S. Hamburg fowls,		50
" " " " " chicks,		1 00
O. D. Goodale, Amherst, Rabbits,		50
L. H. Bishop, Northampton, Bantams,		50
C. P. Jewett, Pelham, Ducks,		50

SECOND DIVISION—EXHIBIT IN HALL.

Class 13—Agricultural and Farm Implements.

J. D. Norton & Son, Loudville, Ladders,	1 50
J. C. Dillon, Amherst, Baskets,	75

Class 13½—Old Articles.

Almon L. Pratt, Belchertown, collection,	10 00
Mrs. E. C. Parker, Amherst, "	1 00
" Chas. Eastman, No. Amherst.	1 00

Class 14—Mechanic Arts.

Standard Oil Co., Gasoline Stoves, 1st Honorary.
E. S. Wilber, Amherst, Bicycles and Sundries, 2d Honorary.
G. J. Lyman, Hartford, Meatcutter, 3d Honorary.

Class 15—Mercantile Goods.

E. D. Marsh, Amherst, display,		10 00
O. G. Couch, " "		8 00

Class 16—Domestic and Other Manufactures.

Mrs. Chas. Eastman, No. Amherst, Silk Quilt,		75
" E. A. King, "	Bedquilt,	40
" Gilford Bridgman, "	Rug,	75
" Doray, "	Quilt,	75
" D. H. Tillson, "	Silk Rug,	60
" G. A. Knight, "	Bed Quilt,	75
" E. F. Munsell, Belchertown, Bedquilt, 7215 pieces,		1 00
" F. J. Whitney, Amherst, Bedquilt,		60
" B. F. Kellogg, " "		30
" T. L. Paige, " "		30
" E. C. Parker, "	Rug,	50
" " " "	Silk Quilt,	75
Helen Phillips, "	Pair Pillow Slips,	50
Minnie Harkness, "	Bedquilt,	30
Mrs. D. H. Slate, "	Slumber Robe,	30
" G. M. Chamberlain, Amherst, Silk Quilt,		1 00
" " " " " "		50

Class 17—Fancy Articles.

Mrs. E. A. King, Amherst, Stand Spreads,		60
" " " "	Crochet Work,	40
Mima McRae, "	Whisk-broom holder,	20
" " "	Horn,	30
" " "	Crochet tidies,	25
" " "	Outline tidies,	40
" " "	Piece crocheted lace,	25
Lessie Wrigley, "	Chair drape,	20
Mrs. Doray, "	Bell,	30

Emily Curtis,	"	Mats,	40
" "	"	Centerpiece,	40
Nellie "	"	Mats,	30
" "	"	Handkerchief,	50
Jessie Chapin,	"	Sofa pillow,	30
" "	"	Jewel case,	20
Mrs. Frank Fisk,	"	Sofa pillow,	30
" " "	"	Crochet lace,	20
" " "	"	Silk mat,	20
Florence Gallond,	"	Col. of centerpieces,	50
" "	"	Centerpiece,	40
" "	"	Col. of doileys,	50
" "	"	Picture frame,	20
Mrs. G. M. Chamberlain,		Amherst, Sofa pillow,	25
" "	"	" "	50
" "	"	" Lamp doiley,	15
" "	"	" Shopping bag,	40
" H. D. Dana,		" Centerpiece,	40
Mabel Farrar,		" Handkerchief,	40
Mrs. Lentell,		" Sofa pillow,	30
" E. C. Parker.		" Fancy pumpkin,	20
Annie J. Lentell,		" Doileys,	30
Mrs. C. F. Morehouse,		" 2 Handkerchiefs,	50
" "	"	Buffet cover,	30
" M. E. Camp,		" Sofa pillow,	30
Amelia Jones,		" Tea tray,	30
Mrs. S. A. Phillips,		" Table mat,	30
" " "		" Doiley,	20
May "		" "	10
Helen "		" Handkerchief,	30
" "		" Doiley,	20
Jennie Cowles,		" Doilies,	40
Fannie Howland,		" Tray cloth,	30
" "		" Table mat,	30
Clara "		" Tray cloth,	30
Minnie Harkness,		" Knitted tidy,	30
" "		" Table cover,	30
" "		" Lace,	30
" "		" Apron,	30

"	"	" Doiley.	20
Mrs. Fred Kellogg,		" Doilies,	80
Grace A. Howard, No.		" Table mat,	20

CLASS 18—FINE ARTS.

Mrs. C. K. Couch, Amherst,		Col. of water colors,	3 25
"	" "	" Knife work,	75
Annie J. Lentell,	"	" Oil paintings,	3 25
"	"	" " Photo holders,	25
Mrs. D. H. Slate,	"	" Oil painting,	2 00
" C. F. Morehouse, Amherst,		" "	50

CLASS 19—BREAD, BUTTER AND CHEESE.

Mrs. C. L. Comins, No. Amherst,		Rye bread,	1 00
"	" "	" "	50
"	" "	" Wheat "	1 00
"	" "	" Graham "	50
" S. W. Boutwell, Leverett,		Wheat "	50
" T. L. Paige, Amherst,		Graham, "	1 00
"	" "	" Rye and Indian bread,	1 00
Lessie Wrigley,	"	" " " "	50
W. L. Boutwell, Leverett,		Butter,	3 00
Mrs. Chas. Eastman, No. Amherst,		Butter,	2 00

CLASS 20—HONEY, WINES, CANNED AND DRIED FRUITS, JELLIES, PICKLES, MAPLE SYRUP AND SUGAR.

Mrs. H. M. Thomson, Amherst,		Pickles,	25
"	" "	" Canned fruit,	2 00
"	" "	" Jelly,	50
" C. L. Comins, No.		" "	1 00
" F. E. Loomis,	" "	Maple syrup,	75
" T. L. Paige,	"	Canned fruit,	1 00
"	" "	" Pickles,	75
" Chas. Eastman, No. Amherst,		Canned fruit,	3 00
Mabel Joy,	So. "	" " Gratuity,	50
Fanny C. Cowles,		" Wine, "	50

Class 21—Fruit.

A. B. Howard, Belchertown.	Best display,	4 00
" " "	Basket,	2 00
John C. Dillon, Amherst,	Best display,	3 00

Class 22—Fruit Grown by Exhibitor.

Geo. L. Cooley, Sunderland,	Col. Apples,	4 00
H. D. Dana, Amherst,	" "	3 00
A. B. Howard, Belchertown,	" "	2 00
J. C. Dillon, Amherst,	" "	1 00
A. B. Howard, Belchertown,	" Pears,	4 00
L. W. Goodale,	" " "	3 00
J. C. Dillon, Amherst,	" "	2 00
A. B. Howard, Belchertown,	" Grapes,	4 00
J. C. Dillon, Amherst,	" "	3 00
A. B. Howard, Belchertown,	" Peaches,	2 00
F. E. Loomis, No. Amherst,	" "	1 00
A. B. Howard, Belchertown,	" Quinces,	75
Chas. Eastman, No. Amherst,	"	25
" " " "	Plate King Apples,	50
" " " "	" Gravenstein,	50
" " " "	" Russets,	50
C. P. Jewett, Pelham,	" Greenings,	50
H. D. Dana, Amherst,	" Baldwins,	50
John A. Page, Pelham,	4 quarts Cranberries,	75

Class 23—Vegetables Grown by Exhibitor.

C. L. Comins, No. Amherst,	Best collection,	8 00
John C. Dillon,	" " "	4 00
A. B. Howard, Belchertown,	Exhibition of Potatoes,	2 00
John C. Dillon, Amherst,	" "	1 00
C. L. Comins, No. "	Peck "	1 00
P. Lyons, Sunderland,	Onions,	1 00
Chas. Eastman, No. Amherst,	Onions,	50
Hiram Moody, So. "	Cabbages,	2 00
M. B. Kingman, "	Beets,	1 00
C. L. Comins, No. "	"	50
Mrs. Chas. Eastman, No. Amherst,	Beans,	1 00

C. L. Comins,	" " "	50
" "	" " Pumpkins,	1 00
M. B. Kingman,	" Ruta Bagas,	1 00
" "	" Carrots,	1 00
C. P. Jewett, Pelham,	"	50
A. B. Howard, Belchertown,	Tomatoes,	1 00
Mrs. Chas. Eastman, No. Amherst,	"	50
Elmer Barry, New Salem, Squashes,		2 00
J. C. Dillon, Amherst,	"	1 00
H. M. Thomson, "	Gratuity on Celery,	50

Class 23½—Grain Grown by the Exhibitor.

C. L. Comins, No. Amherst, Rye,	1 00
" " " " Oats,	1 00
" " " " Sweet corn,	1 00
" " " " Pop corn,	1 00
W. L. Boutwell, Leverett, Col. seed corn,	3 00
" " " largest trace of corn,	2 00
" " " trace 8-rowed "	1 00
" " " " 12-rowed "	1 00
J. C. Dillon, Amherst, Col. Indian corn,	2 00
" " " " Sweet "	2 00
" " " " Pop "	2 00
" " " " trace 8-rowed corn,	50
" " " " " 12-rowed "	50
" " " " " Dent "	1 00
Chas. Eastman, No. Amherst, Rye.	50

Class 24—Flowers.

M. B. Kingman, Amherst, Col. of Flowers,	3 00
" " " " Roses,	1 50
" " " " Wild flowers,	2 00
Mrs. S. W. Boutwell, Leverett, Bouquet,	2 00
" " " " Dahlias,	1 50
" " " " Gladioli,	75
" E. C. Parker, Amherst, Nasturtium,	75
L. W. Goodell, Pansy Park, Col. of Flowers,	2 00
" " " " " " Asters,	1 50
" " " " " " Pansies,	1 50

" " " " " "	Verbenas,	75
" " " " " "	Gladioli,	1 50
" " " " " "	Nasturtium,	1 50
A. B. Howard, Belchertown,	Col. of Flowers,	1 00
" " " "	Bouquet,	1 00
" " " "	Asters,	75
" " " "	Verbenas,	1 50
" " " "	Pansies,	75
Mrs. J. C. Dillon, Amherst, "	Dahlias,	75

HORSE SHOW SEPT. 29.

THIRD DIVISION.

Class 25—Stallions.

D. S. Kennedy, Ware,	Draft stallion,	8 00
" " "	Roadster,	5 00
A. G. Childs, So. Deerfield,	Draft,	5 00
" " "	Roadster,	2 00
H. C. Graves, "	"	8 00
W. C. Dickinson, Hatfield, "	Gratuity,	8 00

Class 26—Breeding Mares with Sucking Colts.

Geo. B. Frink, East Hadley,		4 00
Geo. E. Slate, Amherst,		3 00

Class 27—Colts and Fillies.

Arthur G. Childs, So. Deerfield,	Yearling,	1 00
A. M. Lyman, Montague,	"	3 00
" " "	3 years old,	1 50
Wm. C. Dickinson, Hatfield,	Yearling,	2 00
" " "	"	1 00
Michael Prouty, Hadley,	"	3 00
A. W. Chase, Amherst,	colt,	1 00
M. H. Powers, "	" Gratuity,	1 00
John D. Tillson, "	2 years old,	2 00
Homer L. "	" 3 years old, Gratuity,	1 00
S. M. Russell, Hadley,	2 years old,	3 00

C. L. " Sunderland, 3 years old,	2 00
E. W. Smith, Amherst, " " "	3 00
Geo. E. " Hadley, 2 " "	2 00
John McQuestion, " 2 " "	3 00
" " " 3 " "	1 50
F. L. Bailey, Northampton, 2 years old,	3 00
W. T. Collins, No. Hadley, " " "	2 00
G. L. Brewer, Pelham, yearling,	2 00

Class 28—Farm Horses.

A. M. Lyman, Montague, Pair,	4 00
D. F. Shumway, Belchertown, Pair,	3 00
" " " Single,	3 00
A. W. Chase, Amherst, "	2 00
J. W. Allen, " "	1 00

Class 29—Draft Horses.

Geo. E. Smith, Hadley, Single,	3 00
W. A. Magill, Amherst, "	2 00
Geo. F. Hobart, No. Amherst, Pair,	4 00

Class 30—Carriage Horses.

C. W. Thurber, Leverett, Single,	4 00
Hollis C. Graves, So. Deerfield, "	3 00
W. H. Comins, Hadley, "	2 00
A. M. Lyman, Montague "	1 00
" " " Pair,	4 00
John McQuestion, Hadley, "	3 00

Class 31—Roadsters.

G. J. Wright, Northampton, Single,	4 00
John L. Bosworth, Easthampton, Pair,	4 00
Oliver Cowles, So. Deerfield, "	3 00
Richard R. Lyman, Montague, Gratuity,	5 00

Trotting Races.

2-45 Class, Purse $125.

W. H. Douglas, Hatfield,	Tony C.,	62 50
A. McCallum, Northampton,	Irene,	31 25
H. S. Fuller, Southampton,	Jack,	18 75
D. F. Bailey, Northampton,	Grace Lambert,	12 50

Eight entries in this class.

Local Race, Purse $75.

Geo. S. Kendrick, Amherst,	Apache.	37 50
J. H. Collins, "	Dolly,	18 75
Homer L. Tillson, "	Belle,	11 25
T. Powers, "	Wildwood,	7 50

Four entries in this class.

2-28 Class, Purse $200.

A. E. Battey, Ware,	Minturn,	100 00
P. Moriarty, Bonds Village,	Eros Jr.,	50 00
H. C. Graves, So. Deerfield,	Hallington,	30 00
J. J. Hicks, Holyoke,	Cora P.,	20 00

2-26 Class, Purse $200.

F. Bombard, Ware,	Judge Clark.	100 00
D. S. Kennedy, "	Long Shot,	50 00
E. O. Williams, Montague,	Dandy,	30 00
A. H. Graves, Hatfield,	Connie T.,	20 00

FOURTH DIVISION.

Field Crops.

F. O. Williams, Sunderland,	½ acre Onions,	5 00
W. H. Comins, Hadley,	"	4 00
G. L. " "	"	2 00
W. H. " "	½ acre Potatoes,	5 00
J. C. Dillon, Amherst,	"	4 00
" " "	Acre Corn,	5 00

Mass. Agricultural College, Gratuity for display, 40 00

REPORTS.

REPORT ON ONIONS.

To the Secretary of the Hampshire Agricultural Society:

The soil on which the onions grew was a heavy loam, having produced onions since 1892 and received a light dressing of manure each year.

The land was plowed in October to a depth of five inches, barnyard manure was applied in the winter at the rate of fifteen loads per acre, also 800 lbs. E. Frank Coe's "Gold Brand" Fertilizer applied broadcast, just before planting. The soil was made fine and sowed the latter part of April with Yellow Globe seed, four pounds being applied to the acre. Sept. 29, the onions from one rod, that was selected by your committee. were cut and weighed with the following results:

Total weight on rod 228 lbs. or 701 bush. and 29 lbs. per acre.

Credit by 701½ bush. large onions at 56c.		$392 84
Cost of cultivation and carting,	$60 00	
" manure and application,	22 50	
" fertilizer, 800 lbs.,	14 40	
" seed, 4 lb.,	5 40	
		102 30
Profit,		$290 54

F. O. Williams.

The land on which my onions were raised this year was land on which tobacco had been raised eight years. The land had been fertilized for that time with 1 ton of cotton seed meal and 500 lbs. sulphate of potash per acre. In the fall of 1896 I plowed the land intended for onions and sowed rye and this spring of 1897 I plowed the rye under about 7 inches deep and fertilized the half-acre with 1500 lbs. of Stockbridge onion fertilizer sowed broadcast and thoroughly pulverized with horse tools and hand rake. I sowed my rows 14 inches apart. The seed I used was Ross Bros. best pedigreed Yellow Globe Danvers and used at the rate of 6 lbs. per acre. On June 9th the Connecticut river overflowed my piece about 3 ft. deep, as soon as the water went off I sowed on 700 lbs. more Stockbridge onion manure which helped wonderfully in restoring

the crop to its dark color. Your committee's square rod averaged 171 lbs. equal to 263 bushels for the half acre. I have been offered 55 cts. per bushel for the crop through, which would leave me a profit of $61.80 on the half acre.

Dr.

To 2200 lbs. fertilizer,	$44 00
3 lbs. seed,	3 75
Plowing and sowing fertilizers,	4 00
Pulverizing and sowing seed,	6 00
Cultivating and weeding,	15 00
Pulling and cutting,	7 00
Drawing to cars,	3 00
	$82 75

Cr.

By 263 bushels at 55 cts, $144 65 which leaves me a profit of $61 80

Respectfully submitted,

W. H. Comins.

The land is first class Connecticut river intervale. It has produced onions for several years past with the application of commercial fertilizer. The same process was continued this season, but owing to excessive rain and overflow of the river the crop did not fulfill my expectations. The result was as follows:

Use of one-half acre of land,		$ 4 00
800 lbs. fertilizer,		12 00
Plowing and fitting,		2 50
5 lbs. seed and sowing,		2 50
Cultivating and weeding,		8 00
Harvesting and carrying to depot,		8 00
Total cost,		$37 00
Cr. by 195¼ bush. at 60 cts.,		118 50
Profit,	$80 50	

Geo. L. Comins.

REPORT ON POTATOES.

I raised potatoes on this piece in 1895 and tobacco in 1896, sowed rye in the fall of 1896. In the spring of '97 I plowed the green rye

under about 8 inches deep, sowed 700 lbs. Stockbridge broadcast, thoroughly pulverized the soil, then planted the potatoes with the Aspinwall potato planter which distributed 300 lbs. more fertilizer in the drill. On the 9th of June my potatoes were under the river overflow. The committee's square rods averaged 162 lbs. equal to 432 bush. per acre or 216 bush. per half acre, of which 200 bushels were large and 16 small.

	Dr.	
To 1000 lbs. fertilizer,		$20 00
6 bush. seed,		6 00
Plowing,		1 00
Pulverizing and sowing fertilizer,		2 00
Cultivating and planting,		2 00
Cutting seed and Paris greening,		4 00
Digging, sacking and selling,		10 00
		$45 00
	Cr.	
By 200 bush. large at 80 cts.,		160 00
16 " small at 10 cts.,		1 60
		$161 60

Leaving balance in favor of crop of $116 60.

Respectfully submitted,

W. H. Comins.

To the Secretary of the Hampshire Agricultural Society:

The half acre of potatoes offered for premium was grown on sandy loam, which had barely paid for haying for several preceding years. I plowed it Aug. 22, 1896, and sowed two bushels of rye to the acre. This made a fair growth, and I plowed it in April 29, 1897, eight inches deep, harrowed thoroughly with the Acme Harrow, and furrowed six inches deep, rows 38 inches apart. May 5th to 15th I sowed 500 lbs. Bradleys Complete Potato Manure along the rows, dropped whole potatoes, 2 to 4 oz., 2 feet apart, and covered with hand hoe two inches deep. Having a big pile of corn stalks, I put these about 3 inches thick in the furrows, over the covered potatoes, on about half the piece, and covered them with hand hoes. This I did as a protection from probable drought, and not with any expectation that the potatoes would eat the cornstalks. A few days later I harrowed the piece with the Acme Harrow, and again when the potatoes were just breaking the ground.

Cultivated once, horse-hoed once, and, early in July, spent about an hour pulling the few weeds which had escaped the cultivator and horse-hoe. Dusted with plaster and Paris green once. Sept. 4th, your committee selected, dug and weighed two average rods, one where the cornstalks and fertilizer were used, and one where the Bradley Fertilizer alone was applied. The former yielded 62 lbs., the latter, 84 lbs. of sound potatoes. I offer no explanation of the fact that the corn stalks were apparently worse than useless; but I am convinced that the results would have been very different in an ordinary or dry season. The average of the two rods is 73 lbs. which would indicate a yield of 194⅔ bushels to the acre. The crop was not more than half what it would have been if it had been planted a month earlier, or if the blight had held off a fortnight longer; but the conditions which cut short the crop will proportionately enhance the value of both market and planting potatoes. The following is my estimate of the cost and value of the crop:

Potato crop in acct. with John C. Dillon, Dr.

Rent of land (assessed value $45 per acre),	$ 1 35
2 bushels rye,	1 00
500 lbs. Bradley's Complete Potato Manure.	9 00
Plaster and Paris green.	75
Seed,	2 40
Plowing, planting, cultivating and harvesting,	20 50
Total cost of crop,	$35 00
Cr.	
By 97⅓ bushels at $1 00	$97 33
Deduct cost,	35 00
Profit on half acre,	$62 33

Considering the season, the margin of profit on this crop may be regarded as quite satisfactory; but in justice to the Bradley Fertilizer Company, I think it proper to add that for specimens of my crops I have this year received premiums amounting to $41. Some of these crops were raised on the Bradley Fertilizers alone, and some on the fertilizers in connection with barn manure: but, in every case, the Bradley Fertilizers are entitled to the credit for my having premium crops instead of poor or medium ones.

Respectfully submitted,

Amherst, Mass., Oct. 21, 1897. JOHN C. DILLON.

REPORT ON INDIAN CORN.

To the Secretary of the Hampshire Agricultural Society:

The acre of corn offered for premium was raised on shares for W. S. Westcott of Amherst, he furnishing land and fertilizers, and I furnishing seed and labor, and each taking one half of the crop. The land is a sandy loam, and having been mowed for many years without any manure, yielded only a light crop of hay. It was plowed May 27th with a Wiard F. plough, 6 inches deep and harrowed thoroughly with the Acme Harrow. This implement lifts, turns and mixes about three inches of the soil, and pulverizes and levels the surface, without disturbing the sod, or tearing up manure, stones or rubbish, and this makes an ideal seed bed. The same day it was marked both ways with rows 38 inches apart. June 1, I planted the piece with the Macomber Planter, dropping four kernels of tarred Flint corn in each hill. The varieties used were our light-rowed kind for which I was awarded a medal and diploma at the World's Fair at Chicago, and a twelve-rowed variety grown by Mr. Goddard of Newton, Mass. and awarded the Massachusetts Horticultural Society's first premium in 1892, June 2d, we sowed 1000 lbs. Bradley's Complete Corn Manure along the rows, and then harrowed the piece with the Acme Harrow. This harrowing does not at all disturb the seed, but it thoroughly fines and levels the surface, mixes the fertilizer with the mellow soil above the seed and destroys the myriads of weed seeds which, with favorable weather, have germinated since the field was plowed. It thus gives the corn the first chance and simplifies the problem of keeping the crop clean without unprofitable hand labor. June 24th I sowed broadcast 1000 lbs. Bradley's Complete Corn Manure, cultivated both ways, hoed and thinned to three stalks in a hill. July 10th, sowed ½ bushel Timothy and 4 lbs. recleaned Red-top. Cultivated both ways and hoed, cut and stooked Sept. 17th. Sept. 4th, your committee selected, cut and stooked an average rod of this corn, and Oct. 18th, husked and weighed the corn on this rod, and it yielded 49 lbs. of dry, sound ears. There was positively no defective ears, except a few which had been stripped by marauding fowls. Allowing 75 lbs. of ears to the bushel, this represents a yield per acre of 104$\frac{10}{75}$ bushels of shelled corn, and an estimated yield of four tons of stover.

The following is my estimate of the cost and value of the crop:

1897 Corn Crop in acct. with W. S. Westcott and J. C. Dillon.

May 27,	Plowing, $2. Harrowing 75 cts.,	$ 2 75
	Marking,	50
June 1,	Seed corn, 25 cts. Planting, 50 cts,	75
2,	1000 lbs. Bradley's Comp. C. Manure.	18 00
	Applying fertilizer, $1. Harrowing, 37cts.	1 37
24,	1000 lbs. Bradley's Comp. C. Manure,	18 00
	Applying fertilizer,	1 00
	Cultivating,	1 00
July 10,	Grass seed,	1 60

Sowing,	1 00
Cultivating,	1 00
Hoeing,	1 50
Sept. 17, Cutting, binding and stooking,	6 00
Oct. 20, Husking 209 baskets at 3 cts.,	6 27
Rent of land,	3 00
Total cost of crop,	$63 74
By 104 $\frac{30}{75}$ bush. corn at 40 cts.,	41 76
4 tons stover at $7,	28 00
Total value of crop,	$69 76
Deduct cost,	63 74
Profit,	$ 6 02

This is not a very large margin; but it must be remembered that this has not been a good corn year, that the price of corn is very low, and that the items of grass seed and sowing are not strictly chargeable to this crop. And in this connection it may be proper to mention that on the adjoining acre, treated in the same way last year, the hay crop was fully two tons this year, as against 500 lbs. in 1895. The balance of profit would also be pleasantly enlarged if I should be awarded the Society's premium for the best acre or corn.

Respectfully submitted,

Amherst, Mass., Oct. 21, 1897. JOHN C. DILLON.

REPORT OF FAIR.

To the Committee on Agricultural Societies of the State Board of Agriculture:

Detailed to inspect the fair of the Hampshire Agricultural Society at Amherst I beg leave to offer the following: The managers were favored with fine weather and a fair attendance on both days. On Tuesday, the first day, cattle, sheep, swine and poultry were shown in large numbers. The extra good quality of the milch cows proved that the patrons of the creameries were breeding cows for a purpose. Nine thoroughbred bulls were offered for premiums, while several more were shown from the college farm. The new breed of swine, "Belted," was quite an attractive exhibit.

Wednesday was horse day, when the best nags and finest colts from the country about were shown. These as well as the cows showed that the owners were careful breeders, and were trying to improve the quality of their animals. Two quite spirited races were trotted which were enjoyed by all.

Considerable interest was manifested in the poultry department, both on account of the size of the exhibit, and the good breeding of the same.

Hampshire Hall covered a very good exhibit of cut flowers from nearby growers. Fruit and vegetables, while not in large quantity, were of good quality. The display of corn, both of flint and dent varieties, was one of the largest and best ever seen at a county fair. I am sorry to note that none of the creameries and but few private dairies sent samples of their product, but three lots of butter being shown, and this in a distinctly dairy region. It might be well to offer special inducements for exhibits in this class.

The samples of milk of the different breeds of cows at the college farm, with the amount of fat each sample contained, was quite an object lesson. The display of fruit and vegetables from the college farm was one all visitors might study with profit.

The ladies' handiwork was much in evidence and nicely arranged, while several of the local salespeople sent good exhibits of their wares. A large collection of agricultural tools and household utensils of patterns used in the last century served to show the younger generation some of the advantages they enjoy.

A band from an adjacent city was employed which rendered a fine concert in the town hall on the evening of the first day of the fair, thus serving to remind the townspeople who were not inclined towards agriculture that a fair and cattle show was in session. The only other outside attraction was an exhibition of fancy or trick bicycle riding which was witnessed by nearly all present. While the managers all seemed to be workers the gate receipts were not as large as the exhibition seemed to merit. The crowd appeared to be good natured and to enjoy itself, but a little larger one could have been entertained.

Which is respectfully submitted by,

JOHN BURSLEY, Inspector.

New Members for 1897.

A. G. Childs, South Deerfield.
D. S. Kennedy, Ware.
Richard L. Lyman, Montague.
Almon L. Pratt, Belchertown.
Mrs. A. E. Chamberlain, Amherst.
Mrs. D. H. Slate, "
Mrs. H. M. Thomson, "
Annie J. Lentell, "
Mima B. King, "

TREASURER'S REPORT.

Herbert Sabin, Treasurer, in account with the Hampshire Agricultural Society :

RECEIPTS.

To cash received from note at Savings Bank,	$150 00	
" Gate receipts first day,	75 65	
" Concert,	23 00	
" Gate receipts second day,	374 15	
" Grand stand,	25 10	
" From rentals,	75 90	
" Entry fees, 2-45 class,	50 00	
" " " 2-26 "	70 00	
" " " 2-28 "	70 00	
" " " Local race,	15 00	
" Bounty from State,	554 60	
" Ready roofing sold,	15 00	
" Hay sold,	6 00	
" Subscriptions for fixing track,	22 00	
" A. G. Childs, life member society,	5 00	
" D. S. Kennedy, " " "	5 00	
" Richard L. Lyman, " " "	5 00	
" Almon L. Pratt, " " "	5 00	
" Mrs. A. E. Chamberlain, life member society,	2 50	
" Mrs. D. H. Slate, " " "	2 50	
" Mrs. H. M. Thomson, " " "	2 50	
" Annie J. Lentell, " " "	2 50	
" Mima B. King, " " "	2 50	
" O. D. Hunt. rebate on insurance,	14 38	
" M. A. C. tickets,	40 00	
" Donations,	72 45	
" Balance due treasurer,	59 95	
		$1745 68

DISBURSEMENTS.

By balance due treasurer last year,	$64 94	
By paid Savings bank for interest,	27 00	
" Carpenter & Morehouse, printing,	29 20	
" Telegrams to Geo. Henry,	54	
" "	50	
" Stamps.	50	
" Envelopes and letterheads,	3 00	
" Membership in Nat. Trotting Association,	10 00	

"	Postal cards for committee on trotting,	2 00
"	Stamps for entry blank, etc.,	4 25
"	Stamped envelopes for Premium lists,	1 74
"	Cards and mucilage,	32
"	Freight on Ready Roofing,	3 73
"	Express on posters,	1 00
"	Z. K. Chapin for fixing planer for track,	3 25
"	Truman Thayer, labor,	3 00
"	W. C. Horfler, trick bicyclist,	60 00
"	Geo. P. Smith for an expert judge,	10 00
"	E. Jones, dinners for band and officers,	22 75
"	Savings Bank for interest,	32 00
"	W. H. Douglass, 1st in 2-45 class,	56 25
"	B. Fralish, 2d " " "	25 00
"	D. L. Fuller, 3d " " "	12 50
"	F. L. Bailey, 4th " " "	6 25
"	A. E. Battey, 1st in 2-28 "	90 00
"	Patrick Moriarty, 2d " " "	40 00
"	E. O. Williams, 3d " " "	20 00
"	J. J. Hicks, 4th " " "	10 00
"	F. Bombard, 1st " 2-26 "	90 00
"	D. S. Kennedy, 2d " " "	40 00
"	E. O. Williams, 3d " " "	20 00
"	M. B. Graves, 4th " " "	10 00
"	G. S. Kendrick, 1st in local race,	33 75
"	J. H. Collins, 2d " " "	15 00
"	Homer L. Tillson, 3d " "	7 50
"	T. G. Powers, 4th " "	3 75
"	Arthur Parents, labor,	3 00
"	E. C. Parker, "	2 00
"	C. H. Hooker, "	13 50
"	Norman Chapin, "	3 75
"	A. P. Smith, " and expense,	3 50
"	H. A. Nourse, poultry expert,	5 95
"	C. P. Aldrich, judge of races,	4 70
"	Record book,	30
"	Ready roofing,	29 92
"	Lanning Printing Co., tickets and posters,	12 50
"	E. M. Wilhelmi for band,	72 48
"	D. H. Tillson, police at gate,	4 00
"	Melvin Graves, " " "	4 00
"	W. H. Comins, repairing track,	27 00
"	N. J. Powers, marshal,	2 00
"	Chas. S. Tillson, "	2 00
"	Geo. E. Thayer, " and keeping horses,	13 20
"	Slate & Reed, bill,	17 03
"	Carpenter & Morehouse, printing,	36 55

"	L. Joy, bushing track,	5 00	
"	Geo. P. Smith, expense and postage,	1 54	
"	H. M. McCloud & Son, insurance,	22 50	
"	D. H. Kendrick, hotel bill for band.	20 00	
"	E. A. King, water,	6 00	
"	E. T. Sabin & Son, repairing fence and sheds,	28 08	
"	Lessie Wrigley, entry clerk,	50	
"	P. D. Spaulding, straw,	4 26	
"	Carrie C. Sabin, labor,	1 00	
"	James Wiley & Son, watching,	12 00	
"	Thomas Dillon, marshal,	2 00	
"	Premiums,	625 70	
			$1745 68

LIABILITIES.

Notes at Savings Bank,	1050 00	
Interest on same Jan. 1st,	32 00	
Unpaid bills, T. L. Paige,	6 35	
F. A. Cadwell,	1 50	
Holland & Gallond,	11 42	
E. P. Bartlett,	32 84	
T. T. Sisson,	4 50	
Estimated cost of reports and call,	28 00	
Secretary's salary,	75 00	
Balance due treasurer,	59 95	
		1301 56

Auditor's Report.

AMHERST, MASS., Dec. 18, 1897.

This is to certify that I have this day examined the accounts of Herbert Sabin, treasurer of the Hampshire Agricultural Society, and find them correct, the payments accompanied with proper vouchers, with a balance due the treasurer of fifty-nine and ninety-five one-hundredths $59.95.

H. M. THOMSON, Auditor.